



DEPARTMENT OF THE INTERIOR
U.S. FISH AND WILDLIFE SERVICE

3-201
(1/97)

FEDERAL FISH AND WILDLIFE PERMIT

1. PERMITTEE

US FISH AND WILDLIFE SERVICE
PACIFIC REEFS NWR COMPLEX
300 ALA MOANA BLVD, SUITE 5-231
HONOLULU, HI 96850

2. AUTHORITY-STATUTES
16 USC 703-712

REGULATIONS
50 CFR Part 13
50 CFR 21.27

3. NUMBER
MB44187A-0

4. RENEWABLE
☒ YES
☐ NO

5. MAY COPY
☒ YES
☐ NO

6. EFFECTIVE
06/01/2011

7. EXPIRES
06/30/2013

8. NAME AND TITLE OF PRINCIPAL OFFICER (If #1 is a business)
SUSAN L. WHITE
PROJECT LEADER

9. TYPE OF PERMIT
SPECIAL PURPOSE - MISCELLANEOUS

10. LOCATION WHERE AUTHORIZED ACTIVITY MAY BE CONDUCTED
Palmyra Atoll
Northern Line Islands (approx. 1,000 miles South of Honolulu)
Central Pacific Ocean

11. CONDITIONS AND AUTHORIZATIONS:

A. GENERAL CONDITIONS SET OUT IN SUBPART D OF 50 CFR 13, AND SPECIFIC CONDITIONS CONTAINED IN FEDERAL REGULATIONS CITED IN BLOCK #2 ABOVE, ARE HEREBY MADE A PART OF THIS PERMIT. ALL ACTIVITIES AUTHORIZED HEREIN MUST BE CARRIED OUT IN ACCORD WITH AND FOR THE PURPOSES DESCRIBED IN THE APPLICATION SUBMITTED. CONTINUED VALIDITY, OR RENEWAL, OF THIS PERMIT IS SUBJECT TO COMPLETE AND TIMELY COMPLIANCE WITH ALL APPLICABLE CONDITIONS, INCLUDING THE FILING OF ALL REQUIRED INFORMATION AND REPORTS.

B. THE VALIDITY OF THIS PERMIT IS ALSO CONDITIONED UPON STRICT OBSERVANCE OF ALL APPLICABLE FOREIGN, STATE, LOCAL OR OTHER FEDERAL LAW.

C. VALID FOR USE BY PERMITTEE NAMED ABOVE.

D. You are authorized to take, possess, and transport the migratory birds listed below in the course of eradication of the introduced black rat (*Rattus rattus*) at Palmyra Atoll. This permit is issued pursuant to 50 CFR 21.27 (benefit to the migratory bird resource). Complete details and analysis are contained in the Final Environmental Impact Statement (FEIS), Palmyra Atoll National Wildlife Refuge Rat Eradication Project, U.S. Department of the Interior, Fish and Wildlife Service, May 2011, (<http://www.fws.gov/palmyraatoll/rainforestrestoration.html>).

Bristle-thighed Curlew - 182
Pacific Golden-Plover - 62
Ruddy Turnstone - 35
Wandering Tattler - 48
Sanderling - 5
Pectoral Sandpiper - 8
Solitary Sandpiper - 1
Semipalmated Plover - 1
Sharp-tailed Sandpiper - 3
Buff-breasted Sandpiper - 1
Lesser Yellowlegs - 1
Short-billed Dowitcher - 1
Cattle Egret - 5
Northern Pintail - 6
Northern Shoveler - 2

Green-winged Teal - 2
Lesser Scaup - 1
Laughing Gull - 1
Franklin's Gull - 9
Black Noddy - 65
Brown Noddy - 6
Sooty Tern - 2,190
White Tern - 5
Great Frigatebird - 4
Lesser Frigatebird - 1
White-tailed Tropicbird - 1
Red-tailed Tropicbird - 4
Red-footed Booby - 125
Brown Booby - 8
Masked Booby - 1

☒ ADDITIONAL CONDITIONS AND AUTHORIZATIONS ALSO APPLY

12. REPORTING REQUIREMENTS

ANNUAL REPORT DUE: 01/31

ISSUED BY

Jamela E. Sati-Hall

TITLE

ADMINISTRATOR, MIGRATORY BIRD PERMIT OFFICE - REGION 1

DATE

05/31/2011

E. All activities must be conducted as described in detail in the Preferred Alternative of the FEIS, including the following measures to avoid and minimize the take of migratory birds:

- Timing of the eradication is scheduled to coincide with the dates that the lowest number of shorebirds have been recorded in previous years at the atoll. Application of rodenticide will occur after migrating shorebirds have typically departed from Palmyra on their way to the northern breeding grounds.
- All efforts will be made to capture the non-breeding shorebirds that remain at Palmyra and maintain them in captivity during the period when they would be most vulnerable to primary or secondary poisoning. Capture efforts will begin once it appears that the birds remaining are those that will not migrate. Care of captive birds will be closely monitored and supervised by a wildlife veterinarian who will treat birds when necessary and appropriate. Birds will be held in captivity only as long as necessary to avoid risk of mortality from exposure to toxicants.
- Color and size of the rodenticide bait were selected to minimize the attractiveness of the bait to migratory birds.
- Areas known to host concentrations of roosting shorebirds will be excluded from aerial broadcast application of bait (runway) or baited using bait stations (roosting islets) to further minimize bait availability.
- To minimize potential exposure to seabirds, bait will be hand broadcast along the narrow causeways where the majority of the boobies nest, and this bait will not be distributed within reach of birds sitting in nests.
- Regular surveys will be conducted and all carcasses found that could potentially be a source of secondary poisoning will be removed.
- Special measures to prevent the bait from entering the water include hand broadcast of narrow strands and tiny islands and baiting the canopy trees that overhang the water by hand.
- If bait accidentally drifts from hoppers onto sand flats and beaches and can reasonably be retrieved, it will be retrieved by onsite observers.
- Bird carcasses found during the rat eradication will be collected and analyzed for the cause of death and for presence of rodenticide residue; carcasses of vulnerable shorebird species will be collected and analyzed for a period of 2 years after the eradication.

F. Report capture, injury, and/or mortality of endangered species within 24 hours of discovery to the Portland Migratory Bird Permit Office (503-872-2715).

G. You and your subpermittees must carry a copy of this permit when exercising its authority.

H. The following subpermittees are authorized under this permit: Island Conservation (Alex Wegmann, Pete McClelland, Aurora Alifano, David Will, Sean McKnight, Peter Gardener, Graeme Gale, Jake Bonham, Nick Torr, Dan Grout, Erik Obert, Richard Griffiths, Rory Stansbury, Gregg Howald); The Nature Conservancy (Jordan Jokiel, Ned Brown, Jen Davies, Ben Buchwald, Dennis Davenport, Will Beyer, Bob Gooding); USDA (Kathleen Hayes, Thomas McAuliffe, Are Berentsen); USFWS (Beth Flint, Amanda Meyer, James Breeden); USGS (Stacie Hathaway, Renee Breeden, Lee Tibbetts); and Wildlife Veterinarian (Lesanna Lahner).

In addition, any other person who is (a) employed by you or under contract to you for the activities specified in this permit or (b) otherwise designated a subpermittee by you in writing to Portland permit office may exercise the authority of this permit.

I. You must maintain records as required in 50 CFR 13.46 and 50 CFR 21.27.

J. All records relating to permitted activities shall be kept at the Pacific Reefs NWR Complex, address indicated in Block 1 (above).

K. You must submit a report of activities by January 31, 2012 and 2013, listing the number and species of migratory birds taken, date taken, the manner in which they were taken, condition of the bird as a result of the taking (e.g., killed, injured, unharmed), disposition of the bird (e.g., released, euthanized, buried), and an evaluation of how to avoid similar incidents in the future.