



DEPARTMENT OF THE NAVY
OFFICE OF THE ASSISTANT SECRETARY OF THE NAVY
(ENERGY, INSTALLATIONS AND ENVIRONMENT)
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WASHINGTON, DC 20305-1000

October 11, 2018

Dr. Mary Abrams
U.S. Fish and Wildlife Service
Pacific Island Fish and Wildlife Office
300 Ala Moana Boulevard, Room 3-122
Honolulu, HI 96850

Dear Dr. Abrams:

SUBJ: 2017 ANNUAL REPORT FOR BIOLOGICAL OPINION 013P1F00-2015-F-0025
AND 01EPIF00-2016-F-0185

This correspondence is submitted to satisfy the Fiscal Year 2017 (FY17) annual reporting requirements (Terms and Conditions L.5.a, p. 158) of the U.S. Fish and Wildlife Service Biological Opinion (BO) for the Department of the Navy's (DON) Relocation of the U.S. Marine Corps from Okinawa to Guam and Associated Activities on Guam, initially issued on July 31, 2015 (01EP1F00-2015-F-0025) with the re-initiation completed on July 19, 2017 (01EPIF00-2016-F-0185). During this period, the DON implemented the below conservation measures in accordance with the BO:

1. *Pre-construction Surveys, General Listed Plant Salvage and Translocation.* The DON has initiated pre-construction surveys to identify all listed plant species prior to the commencement of construction activities within the Finegayan area. As of September 2017, 11,847 *Tuberolabium guamense*, 17 *Dendrobium guamense*, 68 *Bulbophyllum guamense* and 5 *Cycas micronesica* were identified in the Finegayan area. The site was previously expected to contain approximately 3,100 *Tuberolabium guamense*, 13 *Dendrobium guamense* and 5 *Cycas micronesica*.

2. *Avoidance of Listed Orchid Species in a Small Location at Finegayan.* The DON has not performed any construction within the area designated as "No Construction Area" within the proposed Main Cantonment.

3. *Contractor Education Program.* The DON has implemented a contractor education program to ensure that construction contractor personnel are informed of the biological resources in the project area, including invasive species, special-status species, avoidance measures, and reporting requirements. This measure is implemented during preconstruction and construction.

4. *Vegetation Waste Management Procedures.* Green waste is being handled by the contractors at designated onsite laydown areas within the limits of construction. Contractors are required to divert all green waste. Raw green waste is processed into mulch in accordance with the coconut rhinoceros beetle/little fire ant Management Procedures utilizing Methods 1 (Mulch and Spread), Method 2 (Tekken Net) and Method 3 (Compost).

5. *HACCP Planning.* All construction contracts contain a requirement to develop a Hazard Analysis Critical Control Point (HACCP) Plan which will identify risks and potential pathways for non-native species and will outline procedures for controlling and removing risks identified.

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Documented monthly compliance inspections in construction footprints identify pathway updates and provide consistent monitoring for non-target species and adherence to HACCP methods and procedures.

Collaboration between contractors and DON ensure that HACCP monitoring and development include provisions for green waste management in accordance with the CRB/LFA Management Procedures and vehicle hygiene that includes vehicle wash down stations upon exiting and entering construction job sites. The DON provides technical review/guidance and approves all construction HACCP and revision updates as contractual submittals.

6. *Monitoring to evaluate effectiveness of HACCP.* For any clearing of vegetation that is adjacent to or contiguous with recovery habitat, the perimeter and 98.4 ft (30 m) into the habitat will be surveyed to identify vegetation community species composition. This survey will be repeated six months and at one year after vegetation removal to ensure effectiveness of HACCP implementation (clean equipment, supplies, and materials) during construction activities. Early detection and rapid response components are included in contract specifications for eradication of incipient invasive species discoveries. Three contracts for the evaluation of HACCP have been awarded.

7. *Range Fire Management Plan (RFMP).* On September 25, 2017, the DON entered into a cooperative agreement to Colorado State University, Fort Collins for the development of the plan.

8. *North Finegayan Forest Enhancement Site.* The contract for fencing the site was awarded on August 17, 2017 as part of the J-001B construction contract award.

9. *Conservation Measures for Specific Species.* No pre-construction surveys for Mariana eight spot butterflies, Guam tree snails, fragile tree snails, or humped tree snails within the project footprint have been conducted to date. No construction work has been initiated in areas with these species.

10. In accordance with Term and Condition #5, DON submitted a Take Monitoring Plan (Plan) for the Mariana fruit bat, Mariana eight spot butterfly, Guam tree snail, humped tree snail, and the fragile tree snail to U.S. Fish and Wildlife Service on September 19, 2017. The Plan included a schedule for the submittal of reports detailing the extent of listed species habitat subject to excessive noise levels or clearing for construction and operation activities to ensure the limits of take exemption have not been exceeded during implementation of the proposed action.

If you have any questions regarding this annual report, the DON's technical point of contact is Ms. Coralie Cobb. She can be reached at (720) 542-3085 or email at coralie.cobb@navy.mil.

Sincerely,



Warren LeBeau, PE, CEM
Commander, CEC, U.S. Navy
Director, Pacific Programs Office

October 11, 2018

Copy to:

Deputy Assistant Secretary of the Navy (Environment)

Headquarters Marine Corps, Installations & Logistics

Headquarters Marine Corps, Pacific Division

Commander Joint Region Marianas

Naval Facilities Engineering Command, Pacific

U.S. Fish and Wildlife Service, Pacific Region
