



Naval Facilities Engineering Command
 Marine Corps Activity Guam Public Works
 Department (MCAG PWD)
 PSC 455 Box 195
 FPO AP 96540-2937

**MILITARY RELOCATION TO GUAM AND CNMI
 PROGRAMMATIC AGREEMENT (PA) MEMO #1A**

<p>Project: J-001B Finegayan Forest Enhancement REVISED APE (RC# 2016-0048) addressing SHPO comments in letter 9-11-2017</p>	<p>Date: October 20, 2017 (comments due by December 4, 2017)</p>
<p>Project Location: Naval Base Guam Telecommunications Site (NBGTS)</p>	<p>Prepared By: MCAG PWD</p>

PROJECT SUMMARY

This project proposes forest enhancement through construction of ungulate (hooved animals) perimeter fencing to exclude introduced ungulates that endanger the native vegetation. This is to promote forest enhancement of the northern portion of Naval Base Guam, Telecommunications Site (NBGTS) and a southwestern portion of Northwest Field on Andersen Air Force Base (AAFB) in Dededo, Guam. Although located within what is today known as the village of Dededo, the pre-World War II names for the areas within or closest to the area of potential effects (APE) include Ukudu, Litekyan, Tailalo, Urunao, Fafalog, Haputo, and Finaguayac.

The requirement for this forest enhancement is stated in the Record of Decision (ROD) (signed August 28, 2015) on the *Final Supplemental Environmental Impact Statement (FSEIS)* (July 9, 2015). In the section “Mitigation Measures for Impacts Associated with the Cantonment/Family Housing Alternative E” on page 18 the forest enhancement ungulate control is described to occur on a minimum of 780 acres (316 hectares (ha) of limestone forest. This current section of the fencing will construct an ungulate control fence that encloses approximately 272 acres of secondary limestone forest, hibiscus scrub, and mixed herbaceous scrub, primarily along the disturbed shoulder of Route 3A, north of the forest enhancement formerly concurred upon by SHPO on February 2, 2016, and also north of the Marine Corps main cantonment at NBGTS Finegayan. The Navy previously consulted upon an approx. 400 acre enclosure, and this PA Memo #1a proposes to include additional enclosed areas, which brings the total to approx. 672 acres. Over the long-term and as further planning and project development work is completed, the final ungulate control area at NBGTS is expected to cover approx. 1,815 acres (734.5 ha). Stipulation IV.F of the 2011 Programmatic Agreement (PA) among the Department of Defense, the Advisory Council on Historic Preservation, the Guam State Historic Preservation Officer, and the Commonwealth of the Northern Mariana Islands State Historic Preservation Officer Regarding the Military Relocation to the Islands of Guam and Tinian (the Undertaking) provides for solicitation, discussion, and review of additional information or when project areas change to incorporate previously unsurveyed areas

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or when new project areas are introduced. Accordingly, this memo presents information to allow the State Historic Preservation Officer (SHPO) to provide comments on the DoD's identification and evaluation of historic properties within the project's APE, as well as the DoD's determination of effect. In this new fence line location there are no currently recorded historic properties eligible for nomination to the National Register of Historic Properties that will fall within the APE for the fence line construction.

On January 4, 2016 a PA Memo regarding the original alignment of the fence that enclosed approx. 400 acres was delivered to the Guam SHPO, who concurred by letter February 2, 2016 (RC#s 2016-0048, 0291, and 0625) with the Navy determination of "no historic properties affected."

This expansion of the footprint for the forest enhancement area all the way to Route 3A is provided to meet the Navy's natural resource mitigation requirements to match start of forest enhancement projects commensurate with anticipated site clearing work. Avoidance of historic properties has been implemented in siting the fence alignment proposed in this PA Memo.

PROJECT LOCATION

The project APE for Government of Japan-funded (Mamizu) project J-001B to erect forest enhancement unguulate fencing is an approximately 8 meter (26.25 feet) wide corridor for clearing and minor grubbing along a length of approximately 3,517 meters (11540.5 feet or 2.2 miles) through secondary limestone forest (Figure 1). The project area is situated on the limestone plateau above the western cliffs of northern Guam. The plateau, which rises from 120 to 150 meters (400 to 500 feet) above mean sea level, is relatively flat, although there are localized raised and depressed areas caused by differential solution of the limestone bedrock below the soil layer. Depressed areas may collect some soil, while raised areas of bedrock would be exposed on the surface. The APE of this fence has been laid out to avoid contact with eligible historic properties.

The total APE for J-001B forest enhancement unguulate fencing is a corridor (maximum 20 meters wide and approximately 3,517 meters long) that will potentially be cleared for the construction/equipment necessary for erecting the fence. This gives an approximate acreage of 17 acres (7 hectares), however this is with a very wide buffer, and it must be noted that this will in actuality be far narrower, since it is just a fence line. The wide buffer is to allow for field changes to avoid munitions and explosives of concern/unexploded ordnance (MEC/UXO), cultural materials, and sensitive vegetation (Federally listed plants). The forest enhancement fence intersects with perimeter fencing that was previously-consulted upon under J-001B for a fully-enclosed area.

PROJECT DESCRIPTION

J-001B Forest Enhancement fencing crosses from Route 3A to the western cliff line in the area of

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AAFB referred to as Northwest Field, and lies north of NBGTS and the proposed Alternative E Main Cantonment area.

This ungulate control fencing will facilitate restoration of native species of plants and animals within this designated conservation area through the elimination of the introduced ungulate (deer and pig) species that contribute to ongoing degradation of native forests on Guam.

Prior to installation of the fence line, clearing of vegetation will facilitate access to the project site. Since there will be excavation for each fence post, MEC clearance support will be required.

Fence posts will be installed approximately 2 meters (6.5 feet) apart (depending on terrain), and to a depth of 0.6 meter (2 feet) minimum. The limestone bedrock is frequently encountered within 30 cm (12 inches) depth in this area. With the width of the corridor being far wider than the actual needed fence installation area, this will permit movement of the fence location slightly along the corridor to avoid sensitive species or cultural materials that may be unexpectedly encountered.

All contractors will receive Cultural Resource Awareness training prior to the start of work, and the DoD CR SMEs will do periodic inspections of the field crews to note their avoidance/protection of historic properties. Training and inspections to be done by MCAG Archaeologists, Ronnie Rogers and/or Sandra Yee.

IDENTIFICATION OF HISTORIC PROPERTIES

Scope of DoD Identification Efforts

In planning for the Undertaking, the Department of Defense (DoD) first conducted a data gap analysis to determine the need for supplemental identification and evaluation surveys and then conducted those surveys. Surveys were available for review by the Guam SHPO, Advisory Council on Historic Preservation (ACHP), National Park Service (NPS) and Concurring Parties to the 2011 Programmatic Agreement (2011 PA). DoD has applied the results of those survey identification efforts to the siting/lay down of this fencing to avoid and minimize effects to historic properties to the extent practical. DoD has provided documentation of these efforts to the Signatories and Invited Signatories via Appendices D and E of the 2011 PA.

DoD surveys and evaluations have focused on project-specific APEs, defined consistent with 36 CFR §800.16(d) to include those portions of the island of Guam and Tinian subject to direct and indirect effects of projects included in the Undertaking, based on the July 2010 Final Environmental Impact Statement (FEIS) for the Guam and CNMI Military Relocation.

In addition to the archaeological and architectural surveys and evaluations, DoD has completed extensive archival research and oral history studies and interviews to identify traditional cultural

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properties, places, sacred sites, and culturally important natural resources such as the *nunu*, *da'ok*, *dokdok*, and *ifit* trees, and medicinal plants.

More specifically, the J-001B forest enhancement APE has been subject to one or more of the historic property identification efforts listed in 36 CFR §800.4(b)(1), which may include background research, consultation, oral history interviews, sample field investigation and field survey. As such, results of identification and evaluation efforts for the J-001B forest enhancement APE can be found in the following original studies of cultural and/or historic resources. Should any unknown historic properties be discovered during the layout of the fence line, Section XI of the 2011 PA will be initiated, to record and mitigate any adverse effects to the historic properties. Unevaluated old roadways from before WWII and shortly thereafter may be encountered and if so will be handled as per Section XI of the PA as mentioned.

Athens, J.S.

2009 *Final Archaeological Surveys and Cultural Resources Studies on Guam and the Commonwealth of the Northern Mariana Islands in Support of the Joint Guam Build-Up Environmental Impact Statement Volume I: Guam*. Prepared by International Archaeological Research Institute, Inc. Honolulu, HI.

Dixon, Boyd, S. Walker and R. Schaefer

2011 *Final Report Cultural Resource Investigations Conducted in the Territory of Guam Supporting the Joint Guam Build-Up Environmental Impact Statement: Final Archaeological Surveys on Guam 2010 on Andersen AFB*. Prepared by the Naval Facilities Engineering Command, Pacific Division, by TEC Inc.

Haun, Alan E.

1988 *Archaeological Reconnaissance Survey and Field Inspections of Relocatable Over-the-Horizon Radar Sites on Guam, Mariana Islands, Micronesia*. Prepared for Wilson Okamoto and Associates, Inc., Paul H. Rosendahl, Ph.D., Inc. Hilo, HI.

Highness, D. and Alan E. Haun

1990 *Archaeological Inventory Survey DTS Facility: Barrigada and Finegayan Sites, Dededo and 3 Barrigada Municipalities Territory of Guam*. Prepared for Belt Collins by Paul H. Rosendahl, Ph.D., Inc., Hilo.

Kurashina, H., T. McGrath and H. Manner

1987 *Archaeological Survey of Areas 1, 2, 1A, and 2A at Northwest Field, Andersen Air Force Base and Naval Communication Area Master Station Western Pacific, Finegayan, Guam, Mariana*

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- 4 The posting of this PA Memo on the Cultural Resources Information (CRI) website is required by Stipulation IV.E.2. of the 2011 Military Relocation PA as a means for interested members of the public to provide comments on the identification and evaluation of historic properties. Confidentiality requirements under the Archaeological Resources Protection Act (ARPA) and National Historic Preservation Act (NHPA) prohibit federal agencies from publicly disclosing the exact nature and location of archaeological sites and other types of historic properties such as traditional cultural properties (TCPs).

Islands. Prepared for Department of Navy, Pacific Division, Naval Facilities Engineering Command. University of Guam, Mangilao, Guam and Bernice P. Bishop Museum, Honolulu, HI.

Kurashina, H., D. Wooster, T. McGrath, and J. Toenjes

1988 *Archaeological Investigations of the Route 3 Road Corridor, Territory of Guam, Mariana Islands*. Prepared for Juan C. Tenorio and Associates, Inc., Agana, Guam.

Office of Naval Intelligence (ONI)

1999 *ONI -99* [This document presents photos and maps as well as strategic analysis of suitability for military usage, of the various villages and areas of the island of Guam. Historic roads were mapped in this document.] publication Washington D.C.

Olmo, Richard K., T. Mangieri, D. Welch, and T.S. Dye

2000 *Final Phase II Archaeological Survey and Detailed Recording at Commander, U.S. Naval Forces Marianas (COMNAVMARIANAS) Communications Annex (Formerly Naval Computer and Telecommunications Area Master Station, Western Pacific [NCTAMS WESTPAC]), Territory of Guam, Mariana Islands*. Prepared for the Department of the Navy, Pacific Division, Naval Facilities Engineering Command, Building 258 Makalapa Drive, Pearl Harbor, Hawaii under contract N62742-97-D-3511 to International Archaeological Research Institute, Inc.

Reinman, F.

1977 *An Archaeological Survey and Preliminary Test Excavations on the Island of Guam, Mariana 6 Islands, 1965-1966*. Miscellaneous Publications No.1. Micronesian Area Research Center, University of Guam, Mangilao.

Welch, D.

2010 *Final Archaeological Surveys and Cultural Resources Studies Conducted in 2007 on the Island of Guam in Support of the Joint Guam Build-Up Environmental Impact Statement; Volume I: Narrative and Volume II: Site Descriptions*. Prepared for Department of the Navy, Naval Facilities Engineering Command, Pacific, Pearl Harbor, Hawaii under Contract N62742-06-D-1870, Task Order 10 to TEC, Inc.

Results of the above studies indicate a presence of historic properties within the J-001B forest enhancement APE. The proposed fence alignment specifically avoids historic properties.

SHPO COMMENTS RECEIVED ON PA MEMO#1

The comments sent to the DoD website are presented in the following narrative (DoD responses follow immediately, in *italics*).

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NOTE: The following modifications have been inserted into the text above.

1. Page 2, Paragraph 2: In our previous "concurrence letter" dated July 15, 2016, we concurred with DoD's determination of "no adverse effect" to historic properties within the "area of potential effect (APE)," as the project was planned to carefully avoid all known eligible historic properties, as depicted in June 15, 2016 PA Memo Figure 3-Forest Enhancement Fence Mass Grub and Grade APE map. Is there some confusion on the part of DoD in misunderstanding our concurrence to DoD's determination of "no adverse effect" rather than "no historic properties affected." If so then this needs to be clarified as soon as possible.

The reference has been changed to the previous ungulate fence PA Memo delivered January 4, 2016 where SHPO concurred with the Navy determination of "no historic properties affected" in a letter February 2, 2016.

2. Clarify exactly, in the text, what was revised, and why?

Figure 1 showed the original alignment from the January 4, 2016 PA Memo and this new APE includes additional segments of the ungulate fence at Route 3A. Text has been added to clarify the reason/need for this new fencing on page 2, paragraph 3 of this PA Memo #1a.

3. Why was the proposed ungulate control fence reduced from approximately 400 acres of "limestone forest" to approximately 272 acres of "secondary limestone forest"?

The approx. 272 acres is in addition to the previously-consulted upon fence that encloses approx. 400 acres. Clarity on the total forest enhancement area has been included in this PA Memo #1a.

4. Why was the term "limestone forest" changed to "secondary limestone forest"?

Limestone forest is a general term used in the Navy's natural resource mitigation requirements. Secondary limestone forest is site-specific to areas added per PA Memo #1a.

5. Please identify the individual(s) who will conduct the Cultural Resource Awareness training to contractors prior to start of work?

MCAG Archaeologists, Ronnie Rogers and Sandy Yee, will conduct contractor training.

6. Please identify the DoD CR SMEs who "will do the periodic inspections of the field

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crews to note their avoidance/protection of historic properties"?

MCAG Archaeologists, Ronnie Rogers and Sandy Yee, will conduct periodic inspection.

7. Why was the Revised Ungulate Fence APE move north to the boundary of Route 3A, as shown in Figure 2?

This expansion fulfills the Navy's natural resource mitigation requirements to start forest enhancement projects commensurate with site clearing work.

8. Figure 3: This APE Map is unacceptable as shown. Please provide the APE Map that shows all the identified eligible and non-eligible historic properties sites and numbers for proper review.

As a matter of cooperation beyond routine practice, the Navy has included non-eligible sites in Figure 3 of PA Memo #1a.

NOTE: The requested revised maps have been provided to the SHPO.

DETERMINATION OF ELIGIBILITY

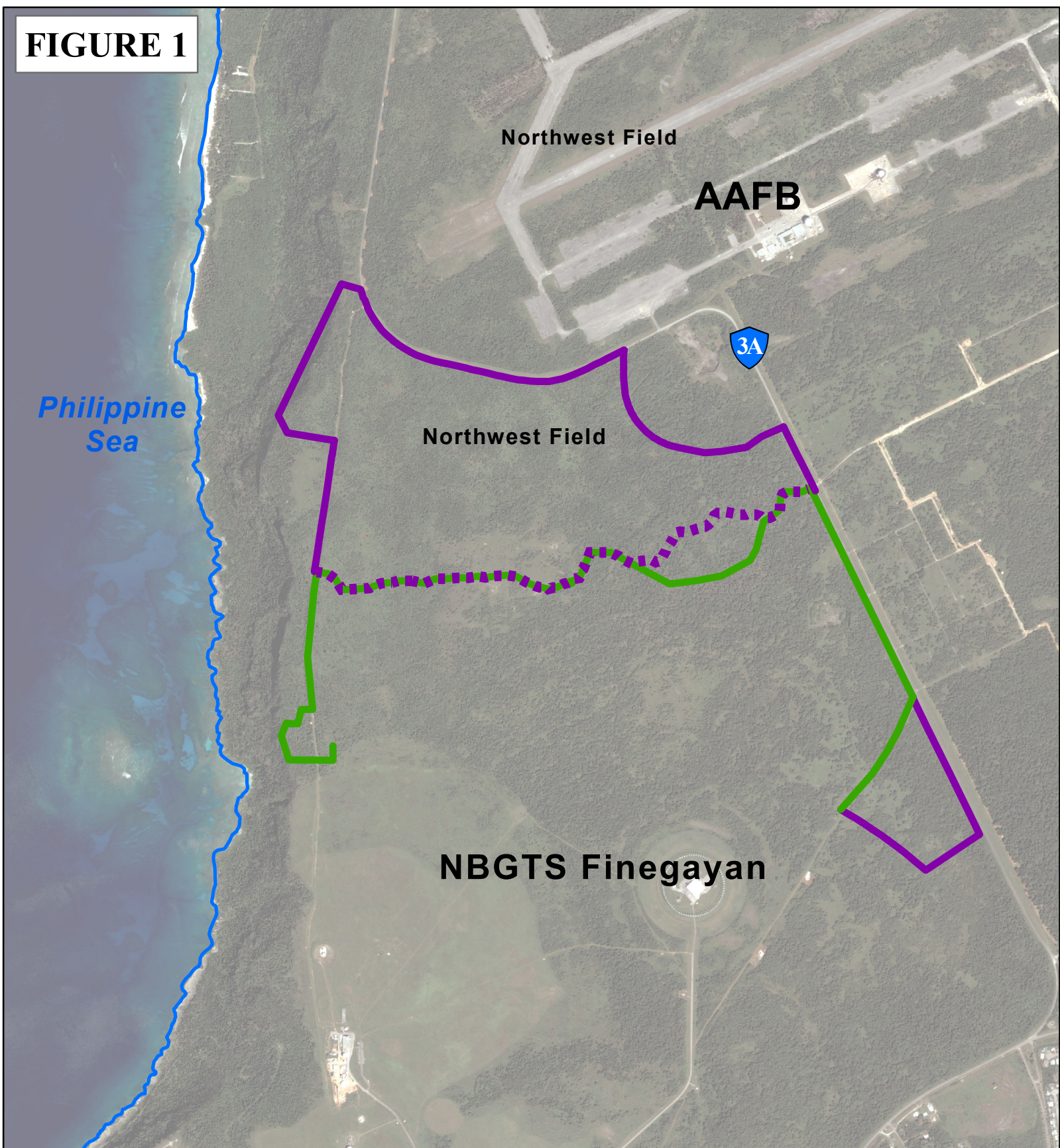
There are multiple sites noted within the larger forest enhancement APE but none in the fence line footprint, that have been determined eligible for listing in the National Register of Historic Places (NRHP).

DETERMINATION OF EFFECT:

The specific procedures described above will ensure avoidance of historic properties. Therefore, the DoD has determined that no historic properties will be affected by this project.

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FIGURE 1



J--001B
Ungulate Fence
for Forest Enhancement

0 300 600 900 Feet
0 100 200 300 Meters

PREPARED BY:
Naval Facilities Engineering Command
Marianas
Date: 7/31/2017

NAVFAC
Naval Facilities Engineering Command
www.naef.mil

Coordinate System: UTM Zone 55 North
Projection: Transverse Mercator
Datum: D WGS 84

North Finegayan J-001B
Revised Ungulate Fence
Northern Section

- Revised Ungulate Fence APE
- Revised Fence Alignment APE Discussed with SHPO 5-19-2017
(Follows Clear Areas/Existing Road)
- Fence Alignment APE Previously Concurred Upon by SHPO 2-2-2016

GUAM

project area

If submitting via **e-mail**, scan and send to: criwebcomment@navy.mil

If submitting via **postal mail**, send to:

Attn: CRI Web Comments
Code EV23, NAVFAC Pacific
258 Makalapa Drive, Suite 100
JBPHH, Hawaii 96860-3134

Submitted comments will be posted on the Navy's Cultural Resources Information (CRI) web site. Information presented on the CRI web site is considered public. The sections highlighted in **red** are required to be completed in order for a comment to be posted.

Privacy Act Statement

Personal information will only be used to contact you regarding the comments you submit. This information will only be shared with another government agency if your inquiry relates to that agency, or as otherwise required by law. We will not create individual profiles or give your information to any private organization. While you must provide a valid e-mail address or postal address, please **DO NOT** include personally identifying information such as a social security number.

By submitting this comment form, you agree not to include content that is offensive in nature, such as profanity, personal attacks on individuals, and racist or abusive language.

PROJECT: J-001B Northern Ungulate Fence for Forest Enhancement

SUBJECT: PA Memo #1a, Determination of Effect and addressing earlier comments from Guam SHPO

Date: _____

Name: _____

CRI User Name (if you don't want your real name to be posted with your comment on the CRI web site):

E-Mail Address: _____

and/or

Postal Mail Address: _____

COMMENTS: _____

COMMENTS: _____

