



DEPARTMENT OF THE ARMY

SOUTH ATLANTIC DIVISION, CORPS OF ENGINEERS

ROOM 313, 77 FORSYTH ST. S.W.

ATLANTA, GEORGIA 30335-6801

REPLY TO
ATTENTION OF:

CESAD-PD-R (200)

24 DEC 1991

MEMORANDUM FOR COMMANDER, USACE, ATTN: CEMP-2A, WASH DC 20314-1000
COMMANDER, MISSOURI RIVER DIVISION, P.O. BOX 103 DOWNTOWN STATION, OMAHA,
NE 68101-0103

COMMANDER, HUNTSVILLE DIVISION, P.O. BOX 1600, HUNTSVILLE, AL 35807-4301

SUBJECT: Defense Environmental Restoration Program for Formerly Used
Defense Sites (DERP-FUDS), Inventory Project Report (INPR) for Site No.
I02PR006800, Culebra Island National Wildlife Refuge (NWR), PR

1. I am forwarding the INPR for Culebra Island NWR for appropriate action.
The site and projects are eligible for DERP-FUDS.

2. I recommend that:

a. CEMRD determine if further study is needed to identify the type and
quantity of Hazardous and Toxic Waste (HTW). If a Remedial Investigation/
Feasibility Study (RI/FS) is required, recommend that Savannah District be
assigned the RI/FS and any subsequent design.

b. CEHND determine the extent and quantity of Ordnance and Explosive
Waste (OEW) on the site and subsequent action.

3. Division focal point for this effort is Mr. Tom Billings, CESAD-PD-R, at
COMM 404-331-6701 or FTS 841-6701. The Division focal point for actions
beyond the preliminary assessment phase is Richard Connell, CESAD-PM-H, at
COMM 404-331-7045 or FTS 841-7045.

Encl

JOHN F. SOBKE
Major General, USA
Commanding

CF:
CEMP-R
CESAS-PD-E

200.1e

I02PR006800_01.08_0001



CESAD-PD-R (200)

24 DEC 1991

MEMORANDUM FOR COMMANDER, USACE, ATTN: CEMP-ZA, WASH DC 20314-1000
COMMANDER, MISSOURI RIVER DIVISION, P.O. BOX 103 DOWNTOWN STATION, OMAHA,
NE 68101-0103
COMMANDER, HUNTSVILLE DIVISION, P.O. BOX 1600, HUNTSVILLE, AL 35807-4301

SUBJECT: Defense Environmental Restoration Program for Formerly Used
Defense Sites (DERP-FUDS), Inventory Project Report (INPR) for Site No.
I02PR006800, Culebra Island National Wildlife Refuge (NWR), PR

1. I am forwarding the INPR for Culebra Island NWR for appropriate action.
The site and projects are eligible for DERP-FUDS.

2. I recommend that:

a. CEMRD determine if further study is needed to identify the type and
quantity of Hazardous and Toxic Waste (HIW). If a Remedial Investigation/
Feasibility Study (RI/FS) is required, recommend that Savannah District be
assigned the RI/FS and any subsequent design.

b. CEHND determine the extent and quantity of Ordnance and Explosive
Waste (OEW) on the site and subsequent action.

3. Division focal point for this effort is Mr. Tom Billings, CESAD-PD-R, at
COMM 404-331-6701 or FTS 841-6701. The Division focal point for actions
beyond the preliminary assessment phase is Richard Connell, CESAD-FM-H, at
COMM 404-331-7045 or FTS 841-7045.

Encl

/sf by DM
JOHN F. SOBKE
Major General, USA
Commanding

CF:
CEMP-R
CESAS-PD-E
~~CEM-R~~

MFR: Self Explanatory.
MAULDIN

PP, RE, OC, CO reviewed with no comments.

DWB 12/16
Barnett/PD-R

12/17
Foreman/PD-P

12/17
Rushing/PD

12/17
Griggs/PD-A

King/S

Jones

Ashhurst/DM

Miller/DD

Sobke/DE

PD

Rec'd 10/10



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

REPLY TO
ATTENTION OF

CESAJ-PD-EE

30 September 1991

MEMORANDUM FOR Commander, South Atlantic Division
Atlanta, Georgia 30335-6801

SUBJECT: DERP-FUDS Inventory Project Report (INPR) for Site No.
I02PR006800 (Culebra Island National Wildlife Refuge)

1. This INPR reports on the DERP-FUDS preliminary assessment of the subject site. A site survey summary sheet is provided as enclosure 1. A site visit was conducted on 30 April 1991.
2. We have determined that the site was formerly used by the Navy. A recommended Findings and Determination of Eligibility is provided as enclosure 2.
3. We also have determined there is a high probability of unexploded ordnance and hazardous waste at the site eligible for clean-up under DERP-FUDS. Project description sheets are provided as enclosures 3 and 4. A copy of the INPR needs to be forwarded to HND for the PA file and for a determination of the need for further study on the target ranges. Also, a copy of the INPR needs to be forwarded to MRD for further study at a suspected oil and debris dumping site.
4. I recommend that you approve and sign the Findings and Determination of Eligibility for the enclosed INPR.
5. Also enclosed is a computer disk with the subject INPR in ASCII and Wordperfect format.

5 Encls

TERRENCE C. SALT
Colonel, Corps of Engineers
Commanding

GIRLAMO DICHIARA
Acting Deputy District Engineer

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
FOR FORMERLY USED DEFENSE SITES
FINDINGS AND DETERMINATION OF ELIGIBILITY

Culebra Island National Wildlife Refuge, PR

Site No. IO2PRO06800

FINDINGS OF FACT

1. Between 1903 and 1964, the United States acquired 2747.12 acres of land on Culebra Island (2067.8 acres fee), Culebrita Island (266.0 acres fee), Luis Pena Cay (342.5 acres fee), Water Cay (7 acres fee) and the adjacent cayos (63.82 acres leased), for a bombing and gunnery range and auxiliary airfield for the Navy. The United States acquired fee title to 2135 acres of land from Spain (1785.5 acres on Culebra Island, the 342.5 acres on Luis Pena Cay, and the 7 acres on Water Cay). These lands were transferred to the Navy by Presidential Proclamation of 26 June 1903. The Navy acquired 13.83 acres by purchase in 1903 and 268.47 acres by donation in 1939, all on Culebra Island. In the early 1940's, 265.59 acres of fee land on Culebrita Island and Ladroneas Cay were transferred to the Navy from the Coast Guard; 63.82 acres were acquired by leases for the Navy on adjacent cayos; and 0.41 of an acre on Culebrita Island was acquired by permit from the Coast Guard.

2. The lands were part of the U.S. Naval Station, Roosevelt Roads, Culebra Island and were utilized by the Navy as a coaling station, training area, auxiliary airport, weapons range, and bombing and gunnery range. The Navy constructed various improvements including a range operation center, maintenance sheds, helicopter landing pad, security fencing, warehouses, storage tanks, septic tanks, water distribution building, pumping stations, housing, and an auxiliary landing field including runways, taxiways, etc. Parts of the property (approximately 990 acres on Culebra Island) were utilized by others by virtue of outgrants from the Navy, prior to the Navy declaring the property as excess. The remainder of the property was under Department of Defense (DOD) control during the period of DOD ownership.

3. The Navy terminated the leases on the 63.82 acres on the adjacent cayos in 1972 and returned the property to the then current owners. The terms and conditions of the leases and termination notices or any restoration requirements are unknown as copies of these instruments could not be located. On 5 July 1972, the Navy reported 1089.80 acres of the site excess to the General Services Administration (GSA). On 19 May 1976, the Navy reported an additional 1501.5 acres excess to GSA. On 28 March 1978, the Navy transferred 4.09 acres on Culebrita Island to the Coast Guard and terminated the permit from the Coast Guard comprising 0.41 of an acre located on Culebrita Island, which is still utilized by the Coast Guard. The Navy retained and still utilizes 87.5 acres on Culebra Island.

4. The lands reported excess to GSA were disposed of as follows:

The Navy (at the direction of GSA) transferred 611 acres (342.5 acres on Luis Pena Cay, 261.5 acres on Culebrita Island, and 7 acres on

Water Cay) and 776.35 acres on Culebra Island, together with all improvements, to the Department of Interior, Fish and Wildlife Service (FWS) on 23 March 1978 and 15 September 1978, respectively. All 1387.35 acres transferred to the FWS comprise the Culebra Island National Wildlife Refuge.

b. By quitclaim deed dated 7 February 1980, GSA conveyed fee title to 79.73 acres to the Puerto Rico Ports Authority on Culebra Island for public airport purposes. The deed contained a recapture and reverter clause and was subject to existing easements for public highways, roads, utilities, etc. This property is utilized as a public airport.

c. By quitclaim deed dated 11 August 1982, the United States of America, through the Secretary of the Interior, conveyed 935.98 acres to the Commonwealth of Puerto Rico on Culebra Island. The deed contained a reverter clause and other restrictions pertaining to the development of the property, including a restriction that the bombardment area, composed of 644.99 acres, would be utilized only for public park or public recreational purposes. The deed contained language that the Commonwealth agreed to accept the bombardment area in its present condition, that the United States would not be held responsible for decontamination, and that the United States would be held harmless from any and all claims, demands, actions, etc., arising from any person's use of or presence on the property. This property is utilized for park purposes.

d. By quitclaim deed dated 24 February 1984, GSA conveyed 32.34 acres to the Department of Housing, Commonwealth of Puerto Rico on Culebra Island, which is now public housing. The deed contained no restrictions, reverter, or recapture clauses.

e. By quitclaim deed dated 29 April 1988, GSA conveyed 155.9 acres on Culebra Island to the Municipality of Culebra, Puerto Rico. This deed contained no warranties, recapture, or reverter clauses, but was subject to existing easements for public highways, roads utilities, etc., and contained a hold harmless clause in favor of the United States. This site is being utilized for city facilities and is under development as a port.

DETERMINATION

Based on the foregoing Findings of Fact, the site, except for the 87.5 acres still under control of the Navy, has been determined to be formerly used by the Department of Defense. It is therefore eligible for the Defense Environmental Restoration Program - Formerly Used Defense Sites established under 10 U.S.C. 2701, et seq. *

24 Dec 1991

DATE

for K. H. 2 [Signature] LTC EN

JOHN F. SOBKE
Major General, USA
Commanding

SITE SURVEY SUMMARY SHEET
FOR
DERP-FUDS SITE NO. I02PR006800
CULEBRA ISLAND NWR, P.R.
9 MAY 1991

SITE NAME: Culebra Island National Wildlife Refuge and adjacent cayos, P.R., see site and location map.

SITE HISTORY: War Department use began in 1940 with the transfer of portions of Culebra Island from the Department of Interior to the Navy for use as a bombing and gunnery training range. The areas in question were deactivated in 1975 and transferred back to the Department of the Interior, U.S. Fish and Wildlife Service (USFWS), the Department of Natural Resources, the Puerto Rico Port Authority, the municipality of Culebra, and the Department of Housing, Commonwealth of P.R.

SITE VISIT: A site visit was conducted on 30 April 1991 by Mr. Ivan Acosta, CESAJ-PD-EE, and Mr. Henry Morales, USFWS National Wildlife Refuge representative. Mr. Morales is a native of the island and is familiar with the affected areas. Additionally, a letter from Mr. Kelly Wolcott, Refuge Manager, describing the areas of concern is provided.

CATEGORY OF HAZARD: HIW, OEW.

PROJECT DESCRIPTION: There are two potential projects in the area (one OEW project consisting of eleven sites and one HIW project).

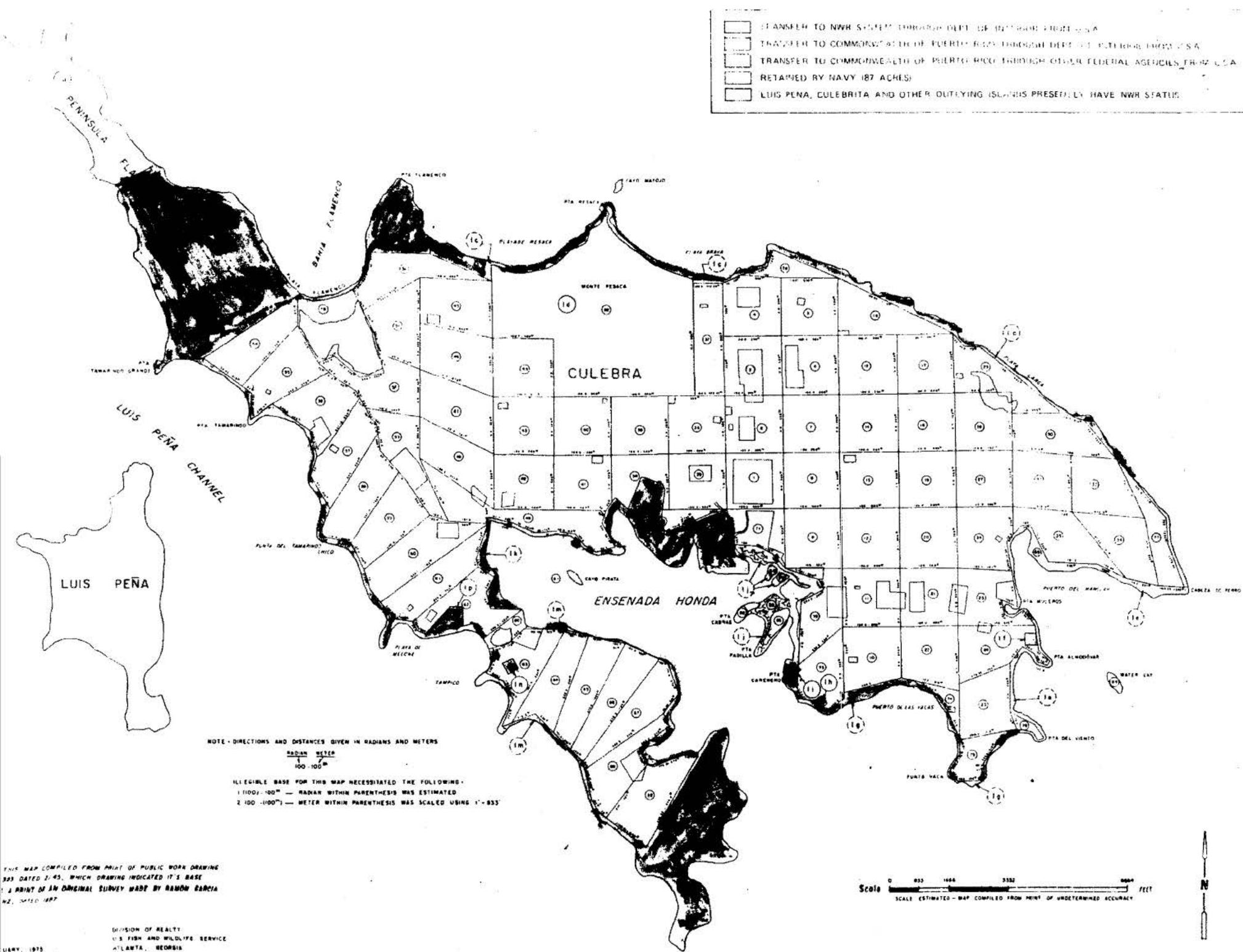
a. HIW. There is a wetland area in the vicinity of the USFWS facility that may contain toxic materials. This site was down gradient of the motor pool and had anecdotal evidence of toxic material being dumped or drained into the area. It requires investigation beyond the scope of this preliminary assessment.

b. OEW. There are at least eleven identified bomb impact sites on the island and adjacent cayos that are dangerous and still contain visible unexploded bombs. It requires investigation beyond the scope of this preliminary assessment.

AVAILABLE STUDIES AND REPORTS: None identified.

PA POC: Ivan Acosta, CESAJ-PD-EE, 904-791-2117 is the District POC.

- TRANSFER TO NWH SYSTEM THROUGH DEPT. OF INTERIOR FROM U.S.A.
- TRANSFER TO COMMONWEALTH OF PUERTO RICO THROUGH DEPT. OF INTERIOR FROM U.S.A.
- TRANSFER TO COMMONWEALTH OF PUERTO RICO THROUGH OTHER FEDERAL AGENCIES FROM U.S.A.
- RETAINED BY NAVY (87 ACRES)
- LUIS PEÑA, CULEBRA AND OTHER OUTLYING ISLANDS PRESENTLY HAVE NWH STATUS.



NOTE - DIRECTIONS AND DISTANCES GIVEN IN RADIAN AND METERS

RADIAN	METER
100	100 ^m

LEGIBLE BASE FOR THIS MAP NECESSITATED THE FOLLOWING -
 1 (100) - 100^m - RADIAN WITHIN PARENTHESIS WAS ESTIMATED
 2 (100) - 100^m - METER WITHIN PARENTHESIS WAS SCALED USING 1" = 833'

THIS MAP COMPILED FROM PRINT OF PUBLIC WORK DRAWING
 823 DATED 2/43, WHICH DRAWING INDICATED IT'S BASE
 IS A PRINT OF AN ORIGINAL SURVEY MADE BY RAMÓN GARCÍA
 IN 1877

DIVISION OF REALTY
 U.S. FISH AND WILDLIFE SERVICE
 ATLANTA, GEORGIA

JANUARY, 1973

Scale 0 833 1666 3332 6664 FEET
 SCALE ESTIMATED - MAP COMPILED FROM PRINT OF UNDETERMINED ACCURACY



UNITED STATES GOVERNMENT
memorandum

DATE: April 22, 1991
REPLY TO: Kelly Wolcott, Refuge Manager, Culebra NWR, Culebra, PR
00645
SUBJECT: Contamination of Culebra by Navy Bombing
TO: Ivan Acosta, US Army Corps of Engineers, PO Box 4970,
Jacksonville, FL 32232

Ivan,

Sorry to have to delay this memo so much. We've been very busy with our own program, the approaching seabird season and the oil spill.

I've enclosed copies of a topographical map of Culebra including indications of the areas contaminated by unexploded ordinances. We don't have much information on the specifics of Navy bombing, we do have a little documentation. I've enclosed copies of one Navy document and will add to those comments below.

Northwest Peninsula: The 600-acre Northwest Peninsula was used primarily for shore bombardment centered on white-washed rocks along the shoreline, simulated gun emplacements, white-washed Sherman Tanks, and white-painted fuel drums. Target 14 was placed mid-peninsula for napalm and aircraft delivery of inert bombs and rockets. A wire "cyclone" fence and fire break delineated the southeast boundary of the bombardment area. From the present entrance to the tip of the peninsula the navy bombed from 1941 to 1975. There are areas of greater concentration of ordinances and other areas that although were used, were also cleaned regularly for public use. The greatest areas of concentration are indicated in one of the enclosed maps. The tip of the peninsula (Punto Molinos) has the greatest concentration of Sooty Terns found in the area.

Cayo de Agua or Aqua Cay: Cayo de Agua was used for offshore and aerial bombardment and has one of the greatest densities of observable ordinances. Most are heavily exposed and it is not known what percentage is live. Cayo de Agua was used extensively for night fire. Cayo de Agua hosts nesting Bridled Terns, Sooty Terns, Zenaida Doves, Red-billed Tropicbirds and Audobon's Shearwaters.

Cayo Lobo or Cross Cay: Cayo Lobo has two bunker observation posts and a series of tire targets presumably used for air to ground small arms fire or strafing. No large munitions are commonly found on the island. Cayo Lobo has no known concentration of nesting birds.

Cayo Alcarraza or Fungy Bowl: Cayo Alcarraza also has a high density of ordinances. It is a very steep island and is difficult and dangerous to work on. The island was used for all types of conventional ordinances. High and low-level radar bombing and searchlight target bombing. Cayo Alcarraza has the area's only colony of masked boobies and extensive colonies of Sooty Terns, Bridled Terns, Noddy Terns and Zenaida Doves.

Los Camelos or Twin Rocks: Used for dive-bombing and air to ground

missiles. Loft and over-the-shoulder weapons delivery. The only target that received air to surface missiles with practice ordinances. Twin Rocks provides some roosting areas for seabirds.

Culebrita Island: Culebrita provided strafing targets on and offshore on the western end of the island at Botella Beach and live and dummy-warhead torpedos were fired at a sheer cliff face on the northwest side of the island (Marc Point). Culebrita island provides nesting beaches for Hawksbill Turtles and some nesting areas for red-billed Tropicbirds.

Cayo Tiburon or Shark Key: Small, unvegetated rock with little or no public use. Extensively used as a roost by nesting seabirds. Target was used for all heavy conventional ordinance, live and inert.

Cayos Geniqui or Palada Cays: Two vegetated islands, both used all year by nesting Brown and Red-footed Boobies. Geniqui was also used for all types of heavy conventional ordinance.

Cayo Botella or Cayo Ladron: A flat, vegetated Key near Culebrita with no known seabird nesting. Before Navy bombardment, the key was extensively used by Sooty Terns.



Kelly Wolcott
Refuge Manager
Culebra NWR, Box 190
Culebra, PR 00645

PROJECT SUMMARY SHEET
FOR
DERP-FUDS HIW PROJECT NO. I02PR006801
CULEBRA ISLAND NWR, P.R.
SITE NO. I02PR006800
May 9, 1991

PROJECT DESCRIPTION: The U.S. Fish and Wildlife Service stated that the wetland area near their building facility was used as a debris and oil dumping site by the Navy. No documentation remains as to when the aforementioned activity occurred. Also there is an unidentified underground concrete tank uphill from the wetland area that has been tentatively identified as a septic tank. No testing has been done on this site.

PROJECT ELIGIBILITY: Records indicate that a building uphill from the area in question was used by the Navy as a wash rack for their vehicles and as a fuel and oil storage facility. These places were subsequently closed when the Navy disposed of the sites. Since this site was disposed of in 1975, there is a strong probability that contamination may still be present.

POLICY CONSIDERATIONS: There is no policy which prohibits the proposal of this project. Currently Department of Defense (DOD) policy permits remedial investigation and action at sites affected by former DOD use.

EPA Form 2070-12: Enclosed

PROPOSED ACTIVITIES: This potential project should be referred to CESAS for negotiation with regulatory agencies and a determination of further action.

POINT OF CONTACT: Ivan Acosta, (904) 791-2117.



**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT**

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
PR I02PR006800

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common or descriptive name of site) Culebra Island National Wildlife Refuge		02 STREET, ROUTE NO. OR SPECIFIC LOCATION IDENTIFIER USFWS Facility			
03 CITY Culebra	04 STATE PR	05 ZIP CODE 00645	06 COUNTY Culebra Island	07 COUNTRY CODE	08 CONG DIST
09 COORDINATES LATITUDE 65 20		LONGITUDE 18 20			

10 DIRECTIONS TO SITE (Starting from nearest public road)
The site is in the vicinity of the USFWS and the Department of Natural Resources Compound in the Ensenada del Cementerio

III. RESPONSIBLE PARTIES

01 OWNER (if known) Department of the Navy (formerly)		02 STREET (Business, mailing, residential)			
03 CITY N/A	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER ()		
07 OPERATOR (if known and different from owner) N/A		08 STREET (Business, mailing, residential)			
09 CITY N/A	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input checked="" type="checkbox"/> B. FEDERAL: _____ (Agency Name) <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
 A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR B. UNCONTROLLED WASTE SITE (CERCLA 102(c)) DATE RECEIVED: _____ MONTH DAY YEAR C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <u>4/30/91</u> MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input checked="" type="checkbox"/> F. OTHER: <u>Corps of Engineers</u> (Specify)			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR <u>1940</u> ENDING YEAR <u>1975</u> <input type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Records indicate that a facility uphill from the area in question was used by the Navy as a wash rack for their vehicles and as fuel and oil storage. (Solvents and oil.)					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Wetland vegetation is deteriorating and dying (Mangroves)					

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Records indicate that a facility uphill from the area in question was used by the Navy as a wash rack for their vehicles and as fuel and oil storage. (Solvents and oil.)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Wetland vegetation is deteriorating and dying (Mangroves)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one if high or medium is checked, complete Part 2 - Waste information and Part 3 - Description of Hazardous Conditions and Problems)
 A. HIGH (Inspection required promptly) B. MEDIUM (Inspection required) C. LOW (Inspect on next possible date) D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Ivan Acosta		02 OF (Agency, Organization) Corps of Engineers		03 TELEPHONE NUMBER 904 791-1693	
04 PERSON RESPONSIBLE FOR ASSESSMENT Ivan Acosta		05 AGENCY COE	06 ORGANIZATION CESAJ-PD-EE	07 TELEPHONE NUMBER 1904 791-1693	08 DATE 9/30/91 MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE PR 02 SITE NUMBER I02PR006800

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 A. GROUNDWATER CONTAMINATION 02 OBSERVED (DATE _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

Possible residual contamination from the wash rack
No chemical data available.

01 B. SURFACE WATER CONTAMINATION 02 OBSERVED (DATE _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

See A, above

01 C. CONTAMINATION OF AIR 02 OBSERVED (DATE _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

None Noted

01 D. FIRE/EXPLOSIVE CONDITIONS 02 OBSERVED (DATE _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

None Noted

01 E. DIRECT CONTACT 02 OBSERVED (DATE _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

None Noted

01 F. CONTAMINATION OF SOIL 02 OBSERVED (DATE _____) POTENTIAL ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

See A. above

01 G. DRINKING WATER CONTAMINATION 02 OBSERVED (DATE _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

None Noted

01 H. WORKER EXPOSURE/INJURY 02 OBSERVED (DATE _____) POTENTIAL ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

None Noted

01 I. POPULATION EXPOSURE/INJURY 02 OBSERVED (DATE _____) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

None Noted

PROJECT SUMMARY SHEET
FOR
DERP-FUDS OEW PROJECT NO. I02PR006802
CULEBRA ISLAND NWR, P.R.
SITE NO. I02PR006800
May 9, 1991

PROJECT DESCRIPTION: Ordnance detection and removal actions are needed for about 11 sites on the island and adjacent cayos. The sites in question are former Navy bombing and gunnery training ranges. The range areas are depicted on a USGS map No. 4R-P.R.-52-403 of the U.S. Fish and Wildlife Service Culebra National Wildlife Refuge (USFWS) attached. The impact areas are not fenced, and sporadic markings and bomb casings were found. The USFWS personnel stated that shell fragments had been collected from the sites and that unexploded rounds had been found. The range areas are generally used for camping, hunting, scuba diving, fishing, and walking. There was no evidence of ordnance outside the impact areas.

PROJECT ELIGIBILITY: Records and maps indicate that the bombing and gunnery training range was built and used by the Navy from 1940 to 1975.

POLICY CONSIDERATIONS; Current Department of Defense (DOD) policy permits Remediation of DOD generated ordnance. The title transfer documents do not absolve the government from site restoration responsibility: the USFWS did not receive compensation in lieu of restoration; the property has not been altered or beneficially used for ordnance related purposes by subsequent owners; and there were no deed restrictions violated.

PROPOSED ACTIVITIES: The Inventory Project Report should be referred to HND for action. This action should consist of at least a metal sweep of the area to determine the likelihood of further ordnance problems and removal of ordnance detected.

RAC: See attachment.

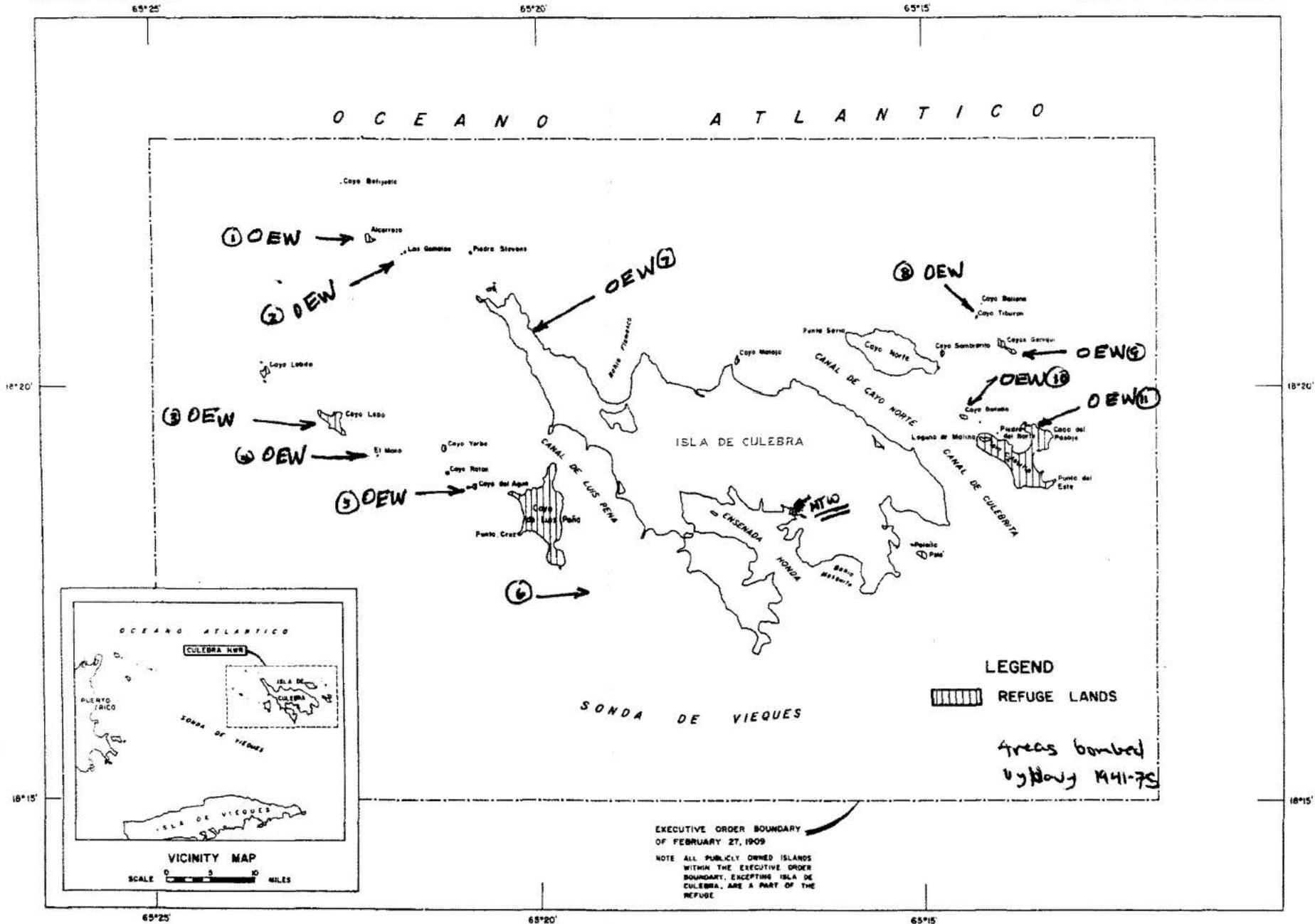
POINT OF CONTACT: Ivan Acosta, CESAJ-PD-EE, 904-791-2117.

CULEBRA NATIONAL WILDLIFE REFUGE

CULEBRA ISLAND GROUP—PUERTO RICO

UNITED STATES
DEPARTMENT OF THE INTERIOR

FISH AND WILDLIFE SERVICE
BUREAU OF SPORT FISHERIES AND WILDLIFE



COMPILED IN THE DIVISION OF REALTY
FROM SURVEYS BY USGS

ATLANTA, GEORGIA

APRIL, 1969

MEAN
DECLINATION
1989

4R-PR-52-403

APPENDIX A
RISK ASSESSMENT PROCEDURES FOR
EXPLOSIVE ORDNANCE (EXO)

Site Name Culebra Island National Wildlife Refuge
 Site Location Culebra Island, P.R.
 DERP Project # I02PRO06802

Rater's Name Ivan Acosta
 Organization CESAJ-PD-EE
 RAC 2

EXO RISK ASSESSMENT:

This risk assessment procedure was developed in accordance with MIL-STD 882B and AR 385-10.

The EXO risk assessment is based upon documented evidence consisting of records searches, reports of Explosive Ordnance Disposal (EOD) detachment actions, and field observation, interviews, and measurements. These data are used to assess the risk involved based upon the hazards identified at the site. The risk assessment is composed of two factors, hazard severity and hazard probability.

Any field activities should be made with the assistance of qualified EOD personnel.

Part I. Hazard Severity. Hazard severity categories are defined to provide a qualitative measure of the worse credible mishap resulting from personnel exposure to various types and quantities of unexploded ordnance items.

TYPE OF ORDNANCE

A. Conventional Ordnance and Ammunition

	<u>Yes</u> Value	<u>No</u> Value	Value
Small Arms (.22 cal - .50 cal)	2	0	—
Medium/Large Caliber (20mm and larger)	10	0	—
Bombs, Explosive	10	0	<u>10</u>
Bombs, Practice (w/spotting charges)	6	0	—
Grenades, Hand and Rifle, Explosive	10	0	—
Grenades, Practice (w/spotting charges)	6	0	—
Landmines, Explosive	10	0	—
Landmines, Practice (w/spotting charges)	6	0	—
Rockets, Guided Missiles, Explosive	10	0	<u>10</u>
Detonators, Blasting Caps	10	0	—

	<u>Yes</u> Value	<u>No</u> Value	Value
Demolition Charges	10	0	—
Conventional Ordnance and Ammunition Value (Maximum of 10).			<u>10</u>

B. Pyrotechnics

	<u>Yes</u> Value	<u>No</u> Value	Value
Any Munition Containing White Phosphorous or other Pyrophoric Material (i.e., Spontaneously Flammable)	10	0	—
Any Munition Containing a Flame or Incendiary Material (i.e., Napalm, Triethylaluminum Metal Incendiaries)	6	0	—
Military Flares	4	0	—
Pyrotechnics Values (Maximum of 10).			<u>0</u>

C. Bulk High Explosives (Bulk explosives not an integral part of convention ordnance).

	<u>Yes</u> Value	<u>No</u> Value	Value
Primary of Initiating Explosives (Lead Styphnate, Lead Azide, Nitroglycerin, Mercury Azide, Mercury Fulminate, etc.)	10	0	—
Booster, Bursting or Fuse Explosives (PETN, Compositions A, B, C, Teteryl, TNT, RDX, HMX, HBX, Black Powder, etc.)	10	0	<u>10</u>
Military Dynamite	10	0	—
Less Sensitive Explosives (Ammonium Nitrate, Favier Explosives, etc.)	3	0	—
High Explosives Value (Maximum value of 10).			<u>10</u>

D. Propellants

	<u>Yes</u> Value	<u>No</u> Value	Value
Solid or Liquid Propellants	3	0	___

E. Chemical Agents/Radiological Materials/Munitions

	<u>Yes</u> Value	<u>No</u> Value	Value
Radiological	25	0	___
Toxic Chemical Agents (Choking, Nerve, Blood, Blister)	25	0	___
Incapacitating Agent (BZ)	10	0	___
Riot Control and Miscellaneous (Vomiting, Tear, Chlorine, Mustard Simulant)	5	0	___
Any Munition Containing Smoke, Illumination, Signal Charge	4	0	<u>4</u>

Chemical Agents/Radiological Materials/Munitions Value (Maximum 25).
4

Total Ordnance and Explosive Waste Characteristics Value (Total =
A + B + C + D + E with a Maximum value of 61). 24

TABLE 1
HAZARD SEVERITY

Description	Category	Value
CATASTROPHIC	I	≥ 21
CRITICAL	II	$\geq 13 < 21$
MARGINAL	III	$\geq 5 < 13$
NEGLIGIBLE	IV	< 5

* Apply Hazard Severity to Table 3.

Part II. Hazard Probability. The probability that a hazard has been or will be created due to the presence and other rated factors of explosive ordnance (EXO) on a formerly used DOD site.

AREA, EXTENT, ACCESSIBILITY OF CONTAMINATION

A. Locations of Contamination

	<u>Yes</u> Value	<u>No</u> Value	Value
Within Tanks, Pipes, Vessels or Other confined locations.	5	0	—
On the surface or within 3 feet.	5	0	<u>5</u>
Inside walls, ceilings, or other parts of Buildings or Structures.	4	0	—
Subsurface, greater than 3 feet in depth.	3	0	—

Value for location of EXO (Maximum Value of 5).

5

B. Distance to nearest inhabited locations or structures likely to be at risk from EXO site (roads, parks, playground, and buildings.)

<u>Distance to Nearest Target</u>	VALUE
Less than 1250 feet	5
1250 feet to 0.5 miles	4
0.5 miles to 1.0 mile	3
1.0 mile to 2.0 miles	2
2.0 miles to 5.0 miles	1
Over 5.0 miles	0

Distance to Persons Value (Maximum Value of 5).

2

C. Numbers and types of Buildings within a 2 mile radius measured from the hazardous area, not the installation boundary.

Number of Buildings	VALUE
0	0
1 to 10	1
11 to 50	2
51 to 100	3
101 to 250	4
251 or Over	5
Number of Buildings Value (Maximum Value of 5).	<u>0</u>

D. Types of Buildings

	VALUE
Educational, Child Care, etc.	5
Residential, Hospitals, Hotels, etc.	5
Commercial, Shopping Centers, etc.	5
Industrial Warehouse, etc.	4
Agricultural, Forestry, etc.	3
Detention, Correctional	2
Military	1
No Buildings	0
Types of Buildings Value (Maximum Value of 5).	<u>0</u>

E. Accessibility to site refers to the measures taken to limit access by humans or animals to ordnance and explosive wastes. Use the following guidance:

Barrier	Assigned Value
A 24-hour surveillance system (e.g., television monitoring or surveillance by guards or facility personnel) which continuously monitors and controls entry onto the facility;	0

or
Barrier

Assigned Value

An artificial or natural barrier (e.g., a fence combined with a cliff), which completely surround the facility; and a means to control entry, at all times, through the gates or other entrances to the facility (e.g., an attendant, television monitors, locked entrances, or controlled roadway access to the facility).	0
Security guard, but no barrier	1
A barrier, (any kind of fence) but no separate means to control entry	2
Barriers do not completely surround the facility	3
No barrier or security system	5
Accessibility Value (Maximum Value of 5).	<u>5</u>

F. Site Dynamics - This deals with site conditions that are subject to change in the future, but may be stable at the present. Examples would be excessive soil erosion by beaches or streams, increasing land development that could reduce distances from the site to inhabited areas or otherwise increase accessibility.

VALUE

None Anticipated	0
Expected	5
(Maximum Value of 5)	<u>5</u>
Total value for hazard probability. Sum of Values A through F. (Not to exceed 30). Apply this value to Hazard Probability Table 2 to determine Hazard Level.	<u>17</u>

TABLE 2
HAZARD PROBABILITY

Description	Level	Value
FREQUENT	A	≥27
PROBABLE	B	≥21 <27
OCCASIONAL	C	≥15 <21
REMOTE	D	≥ 8 <15
IMPROBABLE	E	< 8

*Apply Hazard Probability to Table 3.

Part III. Risk Assessment. The risk assessment value for this site is determined using the following Table 3. Enter with the results of the hazard probability and hazard severity values.

TABLES 1 AND 2

HAZARD SEVERITY - I
(from Table 1)

HAZARD PROBABILITY - C
(from Table 2)

TABLE 3

Probability Level		FREQUENT A	PROBABLE B	OCCASIONAL C	REMOTE D	IMPROBABLE E
Severity Category:						
CATASTROHPIC	I	1	1	2	3	4
CRITICAL	II	1	2	3	4	5
MARGINAL	III	2	3	4	4	5
NEGLIGIBLE	IV	3	4	4	5	5

Note: The risk assessment code for EXO is not equivalent to the risk assessment code prescribed in AR 385-10.

RISK ASSESSMENT CODE (RAC)

- RAC 1 Imminent Hazard - Emergency action required to mitigate the hazard or protect personnel (i.e., Fencing, physical barrier, guards, etc.)
- RAC 2 Action required to mitigate hazard or protect personnel. Feasibility study is appropriate.
- RAC 3 Action required to evaluate potential threat to personnel. High priority Site Inspection is appropriate.
- RAC 4 Action required to evaluate potential threat to personnel. Site Inspection is appropriate.
- RAC 5 No action required.

Justification. In narrative form, summarize the documented evidence that supports this risk assessment.

ROUTING SLIP

SOUTH ATLANTIC DIVISION, U.S. ARMY CORPS OF ENGINEERS

+

from: CESAD-PD-R

date: 10 Oct 91

<p>EXECUTIVE OFFICE</p> <p><input type="checkbox"/> Commander</p> <p><input type="checkbox"/> Deputy Commander (Civil)</p> <p><input type="checkbox"/> Deputy Commander (Military)</p> <p><input type="checkbox"/> Executive Assistant</p> <p>SPECIAL ASSISTANTS</p> <p><input type="checkbox"/> Small & Disadvantaged Business Utilization</p> <p><input type="checkbox"/> Value Engineering Officer</p> <p>DIRECTORATE OF PROGRAMS & PROJECT MANAGEMENT</p> <p><input type="checkbox"/> Assistant Director</p> <p><input type="checkbox"/> Civil Programs Management Division</p> <p><input type="checkbox"/> Civil Project Management Division</p> <p><input type="checkbox"/> Military Project Management Division</p> <p><input checked="" type="checkbox"/> Hazardous/Toxic Waste Restoration & Support for Others Division <i>PH/10-11-91</i></p> <p>AFFIRMATIVE ACTION OFFICE</p> <p><input type="checkbox"/> Equal Employment Opportunity</p> <p>DIRECTORATE OF INFORMATION MANAGEMENT</p> <p><input type="checkbox"/> Info Rqmts & Planning Division</p> <p><input type="checkbox"/> Technical Library</p> <p><input type="checkbox"/> Info Support Services Division</p> <p><input type="checkbox"/> Comm Design & Ops Branch</p> <p><input type="checkbox"/> COMSEC Center</p> <p><input type="checkbox"/> Computer Ops Branch</p> <p><input type="checkbox"/> Mail & Records Admin Branch</p> <p><input type="checkbox"/> Customer Assistance Center</p> <p><input type="checkbox"/> Reprographics Branch</p> <p><input type="checkbox"/> Applications Support Branch</p> <p>DIRECTORATE OF RESOURCE MANAGEMENT</p> <p><input type="checkbox"/> Budget & Manpower Division</p> <p><input type="checkbox"/> Finance & Accounting Division</p> <p><input type="checkbox"/> Management Analysis Division</p> <p>AUDIT OFFICE</p> <p><input type="checkbox"/> Internal Review Branch</p> <p><input type="checkbox"/> Resident IR Office, Charleston</p> <p><input type="checkbox"/> Contract Audit Branch</p> <p><input type="checkbox"/> Resident Audit Office, Jacksonville</p> <p><input type="checkbox"/> Resident Audit Office, Mobile</p> <p><input type="checkbox"/> Resident Audit Office, Wilmington</p>	<p>DIRECTORATE OF PLANNING</p> <p><input checked="" type="checkbox"/> Assistant Director</p> <p><input type="checkbox"/> Economics & Social Analysis Division</p> <p><input type="checkbox"/> Planning Assistance & Flood Plain Management Services Division</p> <p><input type="checkbox"/> Environmental Resources Division</p> <p><input type="checkbox"/> Plan Formulation & Program Management Division</p> <p>OFFICE OF COUNSEL</p> <p>DIRECTORATE OF ENGINEERING</p> <p><input type="checkbox"/> Assistant Director</p> <p><input checked="" type="checkbox"/> Cost & Value Engineering Division</p> <p><input checked="" type="checkbox"/> Geotechnical & Materials Division (2)</p> <p><input type="checkbox"/> Division Lab</p> <p><input type="checkbox"/> Geology Branch</p> <p><input type="checkbox"/> Soils Mechanics Branch</p> <p><input type="checkbox"/> Hydrology & Hydraulics Division</p> <p><input type="checkbox"/> Hydraulics & Coastal Engineering Branch</p> <p><input type="checkbox"/> Water Management Branch</p> <p><input type="checkbox"/> Technical Engineering Division</p> <p><input type="checkbox"/> Architectural & Site Development Branch</p> <p><input type="checkbox"/> Electrical Branch</p> <p><input type="checkbox"/> Mechanical Branch</p> <p><input type="checkbox"/> Structural Branch</p> <p>DIRECTORATE OF CONSTRUCTION-OPERATIONS</p> <p><input type="checkbox"/> Assistant Director</p> <p><input checked="" type="checkbox"/> Construction Division</p> <p><input type="checkbox"/> Chemical Demilitarization</p> <p><input type="checkbox"/> Construction Management Branch</p> <p><input type="checkbox"/> Programs Management Branch</p> <p><input type="checkbox"/> Quality Assurance Branch</p> <p><input type="checkbox"/> Construction Files</p> <p><input type="checkbox"/> Operations Division</p> <p><input type="checkbox"/> Regulatory Branch</p> <p><input type="checkbox"/> Navigation Branch</p> <p><input type="checkbox"/> Hydropower Management Division</p> <p><input type="checkbox"/> Natural Resources Management Division</p> <p><input type="checkbox"/> Recreation & Program Branch</p> <p><input type="checkbox"/> Natural Resources Management Branch</p> <p><input type="checkbox"/> Emergency Management Division</p> <p><input type="checkbox"/> Natural Disaster Branch</p> <p><input type="checkbox"/> National Emergency Branch</p> <p><input type="checkbox"/> Emergency Operations Branch</p>	<p>DIRECTORATE OF REAL ESTATE</p> <p><input type="checkbox"/> Acquisition Division</p> <p><input type="checkbox"/> Appraisal Division</p> <p><input checked="" type="checkbox"/> Management & Disposal Division</p> <p><input type="checkbox"/> Planning & Control Division</p> <p>DIRECTORATE OF LOGISTICS MANAGEMENT</p> <p><input type="checkbox"/> Assistant Director</p> <p><input type="checkbox"/> Protocol and Conferences</p> <p><input type="checkbox"/> Transportation/Travel</p> <p><input type="checkbox"/> Supply Room</p> <p>DIRECTORATE OF HUMAN RESOURCES</p> <p><input type="checkbox"/> Assistant Director</p> <p><input type="checkbox"/> Management Employee Relations/Regulatory Services</p> <p><input type="checkbox"/> Training & Development</p> <p><input type="checkbox"/> Position Mgt & Classification</p> <p><input type="checkbox"/> Recruitment & Placement</p> <p><input type="checkbox"/> Military Personnel</p> <p><input type="checkbox"/> Jacksonville Operating Division</p> <p><input type="checkbox"/> Savannah Operating Division</p> <p><input type="checkbox"/> Wilmington Operating Division</p> <p>DIRECTORATE OF CONTRACTING</p> <p><input type="checkbox"/> OFFICE OF SECURITY AND LAW ENFORCEMENT</p> <p><input checked="" type="checkbox"/> SAFETY & OCCUPATIONAL HEALTH OFFICE</p> <p><input type="checkbox"/> AIR FORCE REGIONAL CIVIL ENGINEERS EASTERN REGION</p> <p><input type="checkbox"/> HEALTH FACILITIES OFFICE</p> <p><input type="checkbox"/> MANAGEMENT ENGINEERING BRANCH</p>
---	---	--

FOR: ACTION SIGNATURE REVIEW & COMMENT INFORMATION
 APPROVAL RECOMMENDATION DRAFT REPLY FILE

REMARKS: DERP-FUDS (POSITIVE) Culebra Island N.W.R.

IO2 PRO06800

No Comments

R. Connell

S: 25 Oct 91

Tom Billings

ROUTING SLIP

SOUTH ATLANTIC DIVISION, U.S. ARMY CORPS OF ENGINEERS

m: CESAD-PD-R

date: 10 Oct 91

EXECUTIVE OFFICE

Commander
Deputy Commander (Civil)
Deputy Commander (Military)
Executive Assistant

SPECIAL ASSISTANTS

Small & Disadvantaged Business Utilization
Value Engineering Officer

DIRECTORATE OF PROGRAMS & PROJECT MANAGEMENT

Assistant Director
Civil Programs Management Division
Civil Project Management Division
Military Project Management Division
Hazardous/Toxic Waste Restoration & Support for Others Division

AFFIRMATIVE ACTION OFFICE

Equal Employment Opportunity

DIRECTORATE OF INFORMATION MANAGEMENT

Info Rqmts & Planning Division
Technical Library
Info Support Services Division
Comm Design & Ops Branch
COMSEC Center
Computer Ops Branch
Mail & Records Admin Branch
Customer Assistance Center
Reprographics Branch
Applications Support Branch

DIRECTORATE OF RESOURCE MANAGEMENT

Budget & Manpower Division
Finance & Accounting Division
Management Analysis Division

AUDIT OFFICE

Internal Review Branch
Resident IR Office, Charleston
Contract Audit Branch
Resident Audit Office, Jacksonville
Resident Audit Office, Mobile
Resident Audit Office, Wilmington

DE DIRECTORATE OF PLANNING
DD Assistant Director
DM Economics & Social Analysis Division
DX Planning Assistance & Flood Plain Management Services Division
 Environmental Resources Division
 Plan Formulation & Program Management Division

OFFICE OF COUNSEL

DIRECTORATE OF ENGINEERING

PM Assistant Director
PM-A Cost & Value Engineering Division
PM-P Geotechnical & Materials Division (2)
 Division Lab
PM-C Geology Branch
 Soils Mechanics Branch
PM-M Hydrology & Hydraulics Division
PM-H Hydraulics & Coastal Engineering Branch
 Water Management Branch
AA Technical Engineering Division
AA Architectural & Site Development Branch
 Electrical Branch
IM Mechanical Branch
IM-P Structural Branch

DIRECTORATE OF CONSTRUCTION-OPERATIONS

CO Assistant Director
CO-A Construction Division
CO-C Chemical Demilitarization Construction Management Branch
CO-CD Programs Management Branch
CO-CM Quality Assurance Branch
CO-CQ Construction Files
CO-CX Operations Division
CO-O Regulatory Branch
CO-OR Navigation Branch
CO-ON Hydropower Management Division
CO-H Natural Resources Management Division
CO-R Recreation & Program Branch
CO-RP Natural Resources Management Branch
CO-RN Emergency Management Division
CO-E Natural Disaster Branch
CO-ED National Emergency Branch
CO-EE Emergency Operations Branch
CO-EO

PD DIRECTORATE OF REAL ESTATE RE
PD-S Acquisition Division RE-O
PD-E Appraisal Division RE-A
 Management & Disposal Division RE-M
PD-A Planning & Control Division RE-C
PD-R

DIRECTORATE OF LOGISTICS MANAGEMENT LM
LM Assistant Director LM-A
LM-P Protocol and Conferences LM-P
LM-T Transportation/Travel LM-T
LM-S Supply Room LM-S

DIRECTORATE OF HUMAN RESOURCES

HR Assistant Director HR-A
HR-AL Management Employee Relations/Regulatory Services HR-AL
HR-AD Training & Development HR-AD
HR-AP Position Mgt & Classification HR-AP
HR-AS Recruitment & Placement HR-AS
HR-M Military Personnel HR-M
HR-J Jacksonville Operating Division HR-J
HR-S Savannah Operating Division HR-S
HR-W Wilmington Operating Division HR-W

DIRECTORATE OF CONTRACTING

CT DIRECTORATE OF CONTRACTING CT
 OFFICE OF SECURITY AND LAW ENFORCEMENT SL

SAFETY & OCCUPATIONAL HEALTH OFFICE

SO SAFETY & OCCUPATIONAL HEALTH OFFICE SO
 AIR FORCE REGIONAL CIVIL ENGINEERS EASTERN REGION AFRC-E-ER

HEALTH FACILITIES OFFICE

HFO-ER HEALTH FACILITIES OFFICE HFO-ER
 MANAGEMENT ENGINEERING BRANCH CERM-OE

JWS
10/11/91

FOR: ACTION SIGNATURE REVIEW & COMMENT INFORMATION
 APPROVAL RECOMMENDATION DRAFT REPLY FILE

REMARKS: DERP-FUDS (POSITIVE) Culebra Island N.W.R.

J02 PRO06800

5:25 Oct 91

Tom Billings

ROUTING SLIP

SOUTH ATLANTIC DIVISION, U.S. ARMY CORPS OF ENGINEERS

+

m: CESAD-PD-R

date: 10 Oct 91

EXECUTIVE OFFICE

- Commander DE
- Deputy Commander (Civil) DD
- Deputy Commander (Military) DM
- Executive Assistant DX

SPECIAL ASSISTANTS

- Small & Disadvantaged Business Utilization DB
- Value Engineering Officer VE

DIRECTORATE OF PROGRAMS & PROJECT MANAGEMENT

- Assistant Director PM
- Civil Programs Management Division PM-A
- Civil Project Management Division PM-P
- Military Project Management Division PM-C
- Hazardous/Toxic Waste Restoration & Support for Others Division PM-M

AFFIRMATIVE ACTION OFFICE

- Equal Employment Opportunity AA

DIRECTORATE OF INFORMATION MANAGEMENT

- Info Rqmts & Planning Division IM
- Technical Library IM-P
- Info Support Services Division IM-PL
- Comm Design & Ops Branch IM-S
- COMSEC Center IM-SC
- Computer Ops Branch IM-SCC
- Mall & Records Admin Branch IM-SO
- Customer Assistance Center IM-SR
- Reprographics Branch IM-C
- Applications Support Branch IM-CR

DIRECTORATE OF RESOURCE MANAGEMENT

- Budget & Manpower Division RM
- Finance & Accounting Division RM-B
- Management Analysis Division RM-F

AUDIT OFFICE

- Internal Review Branch AO
- Resident IR Office, Charleston AO-I
- Contract Audit Branch AO-K
- Resident Audit Office, Jacksonville AO-KJ
- Resident Audit Office, Mobile AO-KM
- Resident Audit Office, Wilmington AO-KW

- DIRECTORATE OF PLANNING PD
- Assistant Director PD-S
- Economics & Social Analysis Division PD-E
- Planning Assistance & Flood Plain Management Services Division PD-A
- Environmental Resources Division PD-R
- Plan Formulation & Program Management Division PD-P

OFFICE OF COUNSEL

- DIRECTORATE OF ENGINEERING EN
- Assistant Director EN-A
- Cost & Value Engineering Division EN-B
- Geotechnical & Materials Division (2) EN-F
- Division Lab EN-FL
- Geology Branch EN-FG
- Soils Mechanics Branch EN-FS
- Hydrology & Hydraulics Division EN-H
- Hydraulics & Coastal Engineering Branch EN-HH
- Water Management Branch EN-HW
- Technical Engineering Division EN-T
- Architectural & Site Development Branch EN-TA
- Electrical Branch EN-TE
- Mechanical Branch EN-TM
- Structural Branch EN-TS

DIRECTORATE OF CONSTRUCTION-OPERATIONS

- Assistant Director CO
- Construction Division CO-A
- Chemical Demilitarization CO-C
- Construction Management Branch CO-CD
- Programs Management Branch CO-CM
- Quality Assurance Branch CO-CQ
- Construction Files CO-CX
- Operations Division CO-O
- Regulatory Branch CO-OR
- Navigation Branch CO-ON
- Hydropower Management Division CO-H
- Natural Resources Management Division CO-R
- Recreation & Program Branch CO-RP
- Natural Resources Management Branch CO-RN
- Emergency Management Division CO-E
- Natural Disaster Branch CO-ED
- National Emergency Branch CO-EE
- Emergency Operations Branch CO-EO

- DIRECTORATE OF REAL ESTATE RE
- Acquisition Division RE-O
- Appraisal Division RE-A
- Management & Disposal Division RE-M
- Planning & Control Division RE-C

DIRECTORATE OF LOGISTICS MANAGEMENT

- Assistant Director LM
- Protocol and Conferences LM-A
- Transportation/Travel LM-P
- Supply Room LM-T

DIRECTORATE OF HUMAN RESOURCES

- Assistant Director HR
- Management Employee Relations/Regulatory Services HR-A
- Training & Development HR-AL
- Position Mgt & Classification HR-AD
- Recruitment & Placement HR-AP
- Military Personnel HR-AS
- Jacksonville Operating Division HR-M
- Savannah Operating Division HR-J
- Wilmington Operating Division HR-S

DIRECTORATE OF CONTRACTING

OFFICE OF SECURITY AND LAW ENFORCEMENT

SAFETY & OCCUPATIONAL HEALTH OFFICE

AIR FORCE REGIONAL CIVIL ENGINEERS EASTERN REGION

HEALTH FACILITIES OFFICE

MANAGEMENT ENGINEERING BRANCH

FOR: ACTION SIGNATURE REVIEW & COMMENT INFORMATION
 APPROVAL RECOMMENDATION DRAFT REPLY FILE

REMARKS: DERP-FUDS (POSITIVE) Culebra Island N.W.R.

102 PR006800

Cost Estimate not included. - DONIT NOT cost of on (E.U)

S: 25 Oct 91

Tom Billings



ROUTING SLIP

SOUTH ATLANTIC DIVISION, U.S. ARMY CORPS OF ENGINEERS

+

From: CESAD-PD-R

date: 10 Oct 91

<p>EXECUTIVE OFFICE Commander Deputy Commander (Civil) Deputy Commander (Military) Executive Assistant</p> <p>SPECIAL ASSISTANTS Small & Disadvantaged Business Utilization Value Engineering Officer</p> <p>DIRECTORATE OF PROGRAMS & PROJECT MANAGEMENT <input type="checkbox"/> Assistant Director <input type="checkbox"/> Civil Programs Management Division <input type="checkbox"/> Civil Project Management Division <input type="checkbox"/> Military Project Management Division <input checked="" type="checkbox"/> Hazardous/Toxic Waste Restoration & Support for Others Division</p> <p>AFFIRMATIVE ACTION OFFICE <input type="checkbox"/> Equal Employment Opportunity</p> <p>DIRECTORATE OF INFORMATION MANAGEMENT <input type="checkbox"/> Info Rqmts & Planning Division <input type="checkbox"/> Technical Library <input type="checkbox"/> Info Support Services Division <input type="checkbox"/> Comm Design & Ops Branch <input type="checkbox"/> COMSEC Center <input type="checkbox"/> Computer Ops Branch <input type="checkbox"/> Mail & Records Admin Branch <input type="checkbox"/> Customer Assistance Center <input type="checkbox"/> Reprographics Branch <input type="checkbox"/> Applications Support Branch</p> <p>DIRECTORATE OF RESOURCE MANAGEMENT <input type="checkbox"/> Budget & Manpower Division <input type="checkbox"/> Finance & Accounting Division <input type="checkbox"/> Management Analysis Division</p> <p>AUDIT OFFICE <input type="checkbox"/> Internal Review Branch <input type="checkbox"/> Resident IR Office, Charleston <input type="checkbox"/> Contract Audit Branch <input type="checkbox"/> Resident Audit Office, Jacksonville <input type="checkbox"/> Resident Audit Office, Mobile <input type="checkbox"/> Resident Audit Office, Wilmington</p>	<p>DE <input type="checkbox"/> DIRECTORATE OF PLANNING DD <input type="checkbox"/> Assistant Director DM <input type="checkbox"/> Economics & Social Analysis Division DX <input type="checkbox"/> Planning Assistance & Flood Plain Management Services Division <input type="checkbox"/> Environmental Resources Division <input type="checkbox"/> Plan Formulation & Program Management Division</p> <p>DB VE <input checked="" type="checkbox"/> OFFICE OF COUNSEL</p> <p>PM <input type="checkbox"/> DIRECTORATE OF ENGINEERING PM-A <input type="checkbox"/> Assistant Director <input checked="" type="checkbox"/> Cost & Value Engineering Division <input checked="" type="checkbox"/> Geotechnical & Materials Division (2) <input type="checkbox"/> Division Lab <input type="checkbox"/> Geology Branch <input checked="" type="checkbox"/> Soils Mechanics Branch <input checked="" type="checkbox"/> Hydrology & Hydraulics Division <input checked="" type="checkbox"/> Hydraulics & Coastal Engineering Branch <input type="checkbox"/> Water Management Branch <input type="checkbox"/> Technical Engineering Division <input type="checkbox"/> Architectural & Site Development Branch <input type="checkbox"/> Electrical Branch <input type="checkbox"/> Mechanical Branch <input type="checkbox"/> Structural Branch</p> <p>IM <input type="checkbox"/> DIRECTORATE OF CONSTRUCTION-OPERATIONS IM-P <input type="checkbox"/> Assistant Director <input checked="" type="checkbox"/> Construction Division <input type="checkbox"/> Chemical Demilitarization Construction Management Branch <input type="checkbox"/> Programs Management Branch <input type="checkbox"/> Quality Assurance Branch <input type="checkbox"/> Construction Files <input type="checkbox"/> Operations Division <input type="checkbox"/> Regulatory Branch <input type="checkbox"/> Navigation Branch <input type="checkbox"/> Hydropower Management Division <input type="checkbox"/> Natural Resources Management Division <input type="checkbox"/> Recreation & Program Branch <input type="checkbox"/> Natural Resources Management Branch <input type="checkbox"/> Emergency Management Division <input type="checkbox"/> Natural Disaster Branch <input type="checkbox"/> National Emergency Branch <input type="checkbox"/> Emergency Operations Branch</p> <p>AA <input type="checkbox"/> AA <input type="checkbox"/> IM <input type="checkbox"/> IM-P <input type="checkbox"/> IM-PL <input type="checkbox"/> IM-S <input type="checkbox"/> IM-SC <input type="checkbox"/> IM-SCC <input type="checkbox"/> IM-SO <input type="checkbox"/> IM-SR <input type="checkbox"/> IM-C <input type="checkbox"/> IM-CR <input type="checkbox"/> IM-CS <input type="checkbox"/> RM <input type="checkbox"/> RM-B <input type="checkbox"/> RM-F <input type="checkbox"/> RM-M <input type="checkbox"/> AO <input type="checkbox"/> AO-I <input type="checkbox"/> AO-IC <input type="checkbox"/> AO-K <input type="checkbox"/> AO-KJ <input type="checkbox"/> AO-KM <input type="checkbox"/> AO-KW <input type="checkbox"/></p>	<p>PD <input type="checkbox"/> DIRECTORATE OF REAL ESTATE PD-S <input type="checkbox"/> Acquisition Division PD-E <input type="checkbox"/> Appraisal Division <input checked="" type="checkbox"/> Management & Disposal Division <input type="checkbox"/> Planning & Control Division</p> <p>PD-A PD-R PD-P <input type="checkbox"/> DIRECTORATE OF LOGISTICS MANAGEMENT <input type="checkbox"/> Assistant Director <input type="checkbox"/> Protocol and Conferences <input type="checkbox"/> Transportation/Travel <input type="checkbox"/> Supply Room</p> <p>EN <input type="checkbox"/> DIRECTORATE OF HUMAN RESOURCES EN-A <input type="checkbox"/> Assistant Director EN-B <input type="checkbox"/> Management Employee Relations/Regulatory Services EN-F <input type="checkbox"/> Training & Development EN-FL <input type="checkbox"/> Position Mgt & Classification EN-FG <input type="checkbox"/> Recruitment & Placement EN-FS <input type="checkbox"/> Military Personnel EN-H <input type="checkbox"/> Jacksonville Operating Division EN-HH <input type="checkbox"/> Savannah Operating Division EN-HW <input type="checkbox"/> Wilmington Operating Division EN-T <input type="checkbox"/> EN-TA <input type="checkbox"/> EN-TE <input type="checkbox"/> EN-TM <input type="checkbox"/> EN-TS <input type="checkbox"/></p> <p>CO <input type="checkbox"/> DIRECTORATE OF CONTRACTING CO-A <input type="checkbox"/> CO-C <input type="checkbox"/> CO-CD <input type="checkbox"/> CO-CM <input type="checkbox"/> CO-CQ <input type="checkbox"/> CO-CX <input type="checkbox"/> CO-O <input type="checkbox"/> CO-OR <input type="checkbox"/> CO-ON <input type="checkbox"/> CO-H <input type="checkbox"/> CO-R <input type="checkbox"/> CO-RO <input type="checkbox"/> CO-RN <input type="checkbox"/> CO-E <input type="checkbox"/> CO-ED <input type="checkbox"/> CO-EE <input type="checkbox"/> CO-EO <input type="checkbox"/></p> <p>RE <input type="checkbox"/> RE-O <input type="checkbox"/> RE-A <input type="checkbox"/> RE-M <input type="checkbox"/> RE-C <input type="checkbox"/> LM <input type="checkbox"/> LM-A <input type="checkbox"/> LM-P <input type="checkbox"/> LM-T <input type="checkbox"/> LM-S <input type="checkbox"/> HR <input type="checkbox"/> HR-A <input type="checkbox"/> HR-AL <input type="checkbox"/> HR-AD <input type="checkbox"/> HR-AP <input type="checkbox"/> HR-AS <input type="checkbox"/> HR-M <input type="checkbox"/> HR-J <input type="checkbox"/> HR-S <input type="checkbox"/> HR-W <input type="checkbox"/> CT <input type="checkbox"/> SL <input type="checkbox"/> SO <input type="checkbox"/> AFRCE-ER <input type="checkbox"/> HFO-ER <input type="checkbox"/> CERM-OE <input type="checkbox"/></p>
--	--	---

FOR: ACTION SIGNATURE REVIEW & COMMENT INFORMATION
 APPROVAL RECOMMENDATION DRAFT REPLY FILE

REMARKS: DERP-FUDS (POSITIVE) Culebra Island N.W.R.

JOR PRO06800

S: 25 Oct 91

Tom Billings

ROUTING SLIP

SOUTH ATLANTIC DIVISION, U.S. ARMY CORPS OF ENGINEERS

to: CESAD-PD-R

date: 10 Oct 91

EXECUTIVE OFFICE

Commander
 Deputy Commander (Civil)
 Deputy Commander (Military)
 Executive Assistant

DE
 DD
 DM
 DX

- DIRECTORATE OF PLANNING
- Assistant Director
- Economics & Social Analysis Division
- Planning Assistance & Flood Plain Management Services Division
- Environmental Resources Division
- Plan Formulation & Program Management Division

FD
 PD-B
 PD-E
 PD-A
 PD-R

- DIRECTORATE OF REAL ESTATE
- Acquisition Division
- Appraisal Division
- Management & Disposal Division
- Planning & Control Division

RE
 RE-O
 RE-A
 RE-M
 RE-C

SPECIAL ASSISTANTS

Small & Disadvantaged Business Utilization
 Value Engineering Officer

DB
 VE

OFFICE OF COUNSEL

PD-P

DIRECTORATE OF LOGISTICS MANAGEMENT

- Assistant Director
- Protocol and Conferences
- Transportation/Travel
- Supply Room

LM
 LM-A
 LM-P
 LM-T
 LM-S

DIRECTORATE OF PROGRAMS & PROJECT MANAGEMENT

Assistant Director
 Civil Programs Management Division
 Civil Project Management Division
 Auxiliary Project Management Division
 Hazardous/Toxic Waste Restoration & Support for Others Division

PM
 PM-A
 PM-P
 PM-C
 PM-M
 PM-H

- DIRECTORATE OF ENGINEERING
- Assistant Director
- Cost & Value Engineering Division
- Geotechnical & Materials Division (2)
- Division Lab
- Geology Branch
- Soils Mechanics Branch
- Hydrology & Hydraulics Division
- Hydraulics & Coastal Engineering Branch
- Water Management Branch
- Technical Engineering Division
- Architectural & Site Development Branch
- Electrical Branch
- Mechanical Branch
- Structural Branch

GC
 EN
 EN-A
 EN-B
 EN-F
 EN-FL
 EN-FO
 EN-FS
 EN-H
 EN-HH
 EN-HW
 EN-T
 EN-TA
 EN-TE
 EN-TM
 EN-TS

DIRECTORATE OF HUMAN RESOURCES

- Assistant Director
- Management Employee Relations/Regulatory Services
- Training & Development
- Position Mgt & Classification
- Recruitment & Placement
- Military Personnel
- Jacksonville Operating Division
- Savannah Operating Division
- Wilmington Operating Division

HR
 HR-A
 HR-AL
 HR-AD
 HR-AP
 HR-AS
 HR-M
 HR-J
 HR-S
 HR-W

AFFIRMATIVE ACTION OFFICE

Equal Employment Opportunity

AA
 AA

DIRECTORATE OF INFORMATION MANAGEMENT

Info Rights & Planning Division
 Technical Library
 Info Support Services Division
 Comm Design & Ops Branch
 COMSEC Center
 Computer Ops Branch
 Mail & Records Admin Branch
 Customer Assistance Center
 Reprographics Branch
 Applications Support Branch

IM
 IM-P
 IM-PL
 IM-S
 IM-SC
 IM-SCC
 IM-SC
 IM-SR
 IM-C
 IM-CR
 IM-CS

DIRECTORATE OF CONSTRUCTION OPERATIONS

- Assistant Director
- Construction Division
- Chemical Demilitarization Construction Management Branch
- Programs Management Branch
- Quality Assurance Branch
- Construction Files
- Operations Division
- Regulatory Branch
- Navigation Branch
- Hydropower Management Division
- Natural Resources Management Division
- Recreation & Program Branch
- Natural Resources Management Branch
- Emergency Management Division
- Natural Disaster Branch
- Historical Emergency Branch
- Emergency Operations Branch

CO
 CO-A
 CO-C
 CO-CD
 CO-CM
 CO-CO
 CO-CX
 CO-O
 CO-OR
 CO-ON
 CO-H
 CO-R
 CO-RP
 CO-RN
 CO-E
 CO-ED
 CO-EE
 CO-EO

DIRECTORATE OF CONTRACTING

OFFICE OF SECURITY AND LAW ENFORCEMENT

SAFETY & OCCUPATIONAL HEALTH OFFICE

AIR FORCE REGIONAL CIVIL ENGINEERS EASTERN REGION

HEALTH FACILITIES OFFICE

MANAGEMENT ENGINEERING BRANCH

CT
 SL
 SO
 AFRC-EER
 HFO-ER
 CERM-OE

FOR: ACTION SIGNATURE REVIEW & COMMENT INFORMATION
 APPROVAL RECOMMENDATION DRAFT REPLY FILE

REMARKS: DERP-FUDS (POSITIVE) Culebra Island N.W.R.

J02 PRO06800

S: 25 Oct 91

Tom Billings

CESAD-RE-M (405-70c)

29 October 1991

MEMORANDUM FOR CESAD-PD-R

SUBJECT: DERP-FUDS, INPR, Culebra Island National Wildlife Refuge (Site No. I02PR006800)

We concur in the Findings and Determination of Eligibility, excluding 87.5 acres currently used by the Navy.

Encl


A. C. POSNER
Director of Real Estate

ROUTING SLIP SOUTH ATLANTIC DIVISION, U.S. ARMY CORPS OF ENGINEERS

5

to: CESAD-PD-R

date: 10 Oct 91

EXECUTIVE OFFICE

- Commander
- Deputy Commander (Civil)
- Deputy Commander (Military)
- Executive Assistant

- DE
- DD
- DM
- DX

- DIRECTORATE OF PLANNING
- Assistant Director
- Economics & Social Analysis Division
- Planning Assistance & Flood Plain Management Services Division
- Environmental Resources Division
- Plan Formulation & Program Management Division

- PD
- PD-S
- PD-E
- PD-A
- PD-R

- DIRECTORATE OF REAL ESTATE
- Acquisition Division
- Appraisal Division
- Management & Disposal Division
- Planning & Control Division

SPECIAL ASSISTANTS

- Small & Disadvantaged Business Utilization
- Value Engineering Officer

- DB
- VE

OFFICE OF COUNSEL

- PD-P
- OC

- DIRECTORATE OF LOGISTICS MANAGEMENT
- Assistant Director
- Protocol and Conferences
- Transportation/Travel
- Supply Room

DIRECTORATE OF PROGRAMS & PROJECT MANAGEMENT

- Assistant Director
- Civil Programs Management Division
- Civil Project Management Division
- Military Project Management Division
- Hazardous/Toxic Waste Restoration & Support for Others Division

- PM
- PM-A
- PM-P
- PM-C
- PM-M
- PM-H

- DIRECTORATE OF ENGINEERING
- Assistant Director
- Cost & Value Engineering Division
- Geotechnical & Materials Division (2)
- Division Lab
- Geology Branch
- Soils Mechanics Branch
- Hydrology & Hydraulics Division
- Hydraulics & Coastal Engineering Branch
- Water Management Branch
- Technical Engineering Division
- Architectural & Site Development Branch
- Electrical Branch
- Mechanical Branch
- Structural Branch

- EN
- EN-A
- EN-B
- EN-F
- EN-FL
- EN-FG
- EN-FS
- EN-H
- EN-HH
- EN-HW
- EN-T
- EN-TA
- EN-TE
- EN-TM
- EN-TS

- DIRECTORATE OF HUMAN RESOURCES
- Assistant Director
- Management Employee Relations/Regulatory Services
- Training & Development
- Position Mgt & Classification
- Recruitment & Placement
- Military Personnel
- Jacksonville Operating Division
- Savannah Operating Division
- Wilmington Operating Division

AFFIRMATIVE ACTION OFFICE

- Equal Employment Opportunity

- AA
- AA

- CT

- DIRECTORATE OF CONTRACTING
- OFFICE OF SECURITY AND LAW ENFORCEMENT

DIRECTORATE OF INFORMATION MANAGEMENT

- Info Rqmts & Planning Division
- Technical Library
- Info Support Services Division
- Comm Design & Ops Branch
- COMSEC Center
- Computer Ops Branch
- Mail & Records Admin Branch
- Customer Assistance Center
- Reprographics Branch
- Applications Support Branch

- IM
- IM-P
- IM-PL
- IM-S
- IM-SC
- IM-SCC
- IM-SO
- IM-SR
- IM-C
- IM-CR
- IM-CS

- DIRECTORATE OF CONSTRUCTION-OPERATIONS
- Assistant Director
- Construction Division
- Chemical Demilitarization Construction Management Branch
- Programs Management Branch
- Quality Assurance Branch
- Construction Files
- Operations Division
- Regulatory Branch
- Navigation Branch
- Hydropower Management Division
- Natural Resources Management Division
- Recreation & Program Branch
- Natural Resources Management Branch
- Emergency Management Division
- Natural Disaster Branch
- National Emergency Branch
- Emergency Operations Branch

- CO
- CO-A
- CO-C
- CO-CD
- CO-CM
- CO-CQ
- CO-CX
- CO-O
- CO-OR
- CO-ON
- CO-H
- CO-R
- CO-RP
- CO-RN
- CO-E
- CO-ED
- CO-EE
- CO-EO

- SAFETY & OCCUPATIONAL HEALTH OFFICE

- AIR FORCE REGIONAL CIVIL ENGINEERS EASTERN REGION

- HEALTH FACILITIES OFFICE

- MANAGEMENT ENGINEERING BRANCH

DIRECTORATE OF RESOURCE MANAGEMENT

- Budget & Manpower Division
- Finance & Accounting Division
- Management Analysis Division

- RM
- RM-B
- RM-F
- RM-M

- SL
- SO
- AFRCE-ER
- HFO-ER
- CERM-OE

AUDIT OFFICE

- Internal Review Branch
- Resident IR Office, Charleston
- Contract Audit Branch
- Resident Audit Office, Jacksonville
- Resident Audit Office, Mobile
- Resident Audit Office, Wilmington

- AO
- AO-I
- AO-IC
- AO-K
- AO-KJ
- AO-KM
- AO-KW

CF
CESAS-SO
CESAD-PD

- OR: ACTION SIGNATURE REVIEW & COMMENT INFORMATION
 APPROVAL RECOMMENDATION DRAFT REPLY FILE

REMARKS: DERP-FUDS (POSITIVE) Culebra Island N.W.R.

J02 PRO06800

Provide copy of SSIIP to CESAD-SO for site visit.

S: 25 Oct 91

Tom Billings

ROUTING SLIP

SOUTH ATLANTIC DIVISION, U.S. ARMY CORPS OF ENGINEERS

+

From: CESAD-PD-R

date: 10 Oct 91

<p>EXECUTIVE OFFICE</p> <p>Commander Deputy Commander (Civil) Deputy Commander (Military) Executive Assistant</p> <p>SPECIAL ASSISTANTS</p> <p>Small & Disadvantaged Business Utilization Value Engineering Officer</p> <p>DIRECTORATE OF PROGRAMS & PROJECT MANAGEMENT</p> <p>Assistant Director Civil Programs Management Division Civil Project Management Division Military Project Management Division Hazardous/Toxic Waste Restoration & Support for Others Division</p> <p>AFFIRMATIVE ACTION OFFICE</p> <p>Equal Employment Opportunity</p> <p>DIRECTORATE OF INFORMATION MANAGEMENT</p> <p>Info Rqmts & Planning Division Technical Library Info Support Services Division Comm Design & Ops Branch <input type="checkbox"/> COMSEC Center <input type="checkbox"/> Computer Ops Branch <input type="checkbox"/> Mail & Records Admin Branch Customer Assistance Center <input type="checkbox"/> Reprographics Branch <input type="checkbox"/> Applications Support Branch</p> <p>DIRECTORATE OF RESOURCE MANAGEMENT</p> <p>Budget & Manpower Division Finance & Accounting Division Management Analysis Division</p> <p>AUDIT OFFICE</p> <p>Internal Review Branch Resident IR Office, Charleston Contract Audit Branch Resident Audit Office, Jacksonville <input type="checkbox"/> Resident Audit Office, Mobile <input type="checkbox"/> Resident Audit Office, Wilmington</p>	<p>DE <input type="checkbox"/> DIRECTORATE OF PLANNING</p> <p>DD <input type="checkbox"/> Assistant Director</p> <p>DM <input type="checkbox"/> Economics & Social Analysis Division</p> <p>DX <input type="checkbox"/> Planning Assistance & Flood Plain Management Services Division</p> <p><input type="checkbox"/> Environmental Resources Division</p> <p><input type="checkbox"/> Plan Formulation & Program Management Division</p> <p>DB</p> <p>VE</p> <p>OFFICE OF COUNSEL</p> <p>PM <input type="checkbox"/> DIRECTORATE OF ENGINEERING</p> <p>PM-A <input type="checkbox"/> Assistant Director</p> <p>PM-P <input checked="" type="checkbox"/> Cost & Value Engineering Division</p> <p><input checked="" type="checkbox"/> Geotechnical & Materials Division (2)</p> <p>PM-C <input type="checkbox"/> Division Lab</p> <p><input type="checkbox"/> Geology Branch</p> <p><input type="checkbox"/> Soils Mechanics Branch</p> <p>PM-M <input type="checkbox"/> Hydrology & Hydraulics Division</p> <p>PM-H <input type="checkbox"/> Hydraulics & Coastal Engineering Branch</p> <p><input type="checkbox"/> Water Management Branch</p> <p>AA <input type="checkbox"/> Technical Engineering Division</p> <p>AA <input type="checkbox"/> Architectural & Site Development Branch</p> <p><input type="checkbox"/> Electrical Branch</p> <p><input type="checkbox"/> Mechanical Branch</p> <p><input type="checkbox"/> Structural Branch</p> <p>IM <input type="checkbox"/> DIRECTORATE OF CONSTRUCTION-OPERATIONS</p> <p>IM-P <input type="checkbox"/> Assistant Director</p> <p>IM-PL <input checked="" type="checkbox"/> Construction Division</p> <p>IM-S <input type="checkbox"/> Chemical Demilitarization Construction Management Branch</p> <p>IM-SC <input type="checkbox"/> Programs Management Branch</p> <p>IM-SCC <input type="checkbox"/> Quality Assurance Branch</p> <p>IM-SO <input type="checkbox"/> Construction Files</p> <p>IM-SR <input type="checkbox"/> Operations Division</p> <p>IM-C <input type="checkbox"/> Regulatory Branch</p> <p>IM-CR <input type="checkbox"/> Navigation Branch</p> <p>IM-CS <input type="checkbox"/> Hydropower Management Division</p> <p>RM <input type="checkbox"/> Natural Resources Management Division</p> <p>RM-B <input type="checkbox"/> Recreation & Program Branch</p> <p>RM-F <input type="checkbox"/> Natural Resources Management Branch</p> <p>RM-M <input type="checkbox"/> Emergency Management Division</p> <p>AO <input type="checkbox"/> Natural Disaster Branch</p> <p>AO-I <input type="checkbox"/> National Emergency Branch</p> <p>AO-K <input type="checkbox"/> Emergency Operations Branch</p> <p>AO-KJ</p> <p>AO-KM</p> <p>AO-KW</p>	<p>PD <input type="checkbox"/> DIRECTORATE OF REAL ESTATE</p> <p>PD-S <input type="checkbox"/> Acquisition Division</p> <p>PD-E <input type="checkbox"/> Appraisal Division</p> <p><input checked="" type="checkbox"/> Management & Disposal Division</p> <p>PD-A <input type="checkbox"/> Planning & Control Division</p> <p>PD-R</p> <p>PD-P</p> <p>OC <input type="checkbox"/> DIRECTORATE OF LOGISTICS MANAGEMENT</p> <p>EN <input type="checkbox"/> Assistant Director</p> <p>EN-A <input type="checkbox"/> Protocol and Conferences</p> <p>EN-B <input type="checkbox"/> Transportation/Travel</p> <p>EN-F <input type="checkbox"/> Supply Room</p> <p>EN-FL <input type="checkbox"/> DIRECTORATE OF HUMAN RESOURCES</p> <p>EN-FG <input type="checkbox"/> Assistant Director</p> <p>EN-FS <input type="checkbox"/> Management Employee Relations/Regulatory Services</p> <p>EN-H <input type="checkbox"/> Training & Development</p> <p>EN-HH <input type="checkbox"/> Position Mgt & Classification</p> <p>EN-HW <input type="checkbox"/> Recruitment & Placement</p> <p>EN-T <input type="checkbox"/> Military Personnel</p> <p>EN-TA <input type="checkbox"/> Jacksonville Operating Division</p> <p>EN-TE <input type="checkbox"/> Savannah Operating Division</p> <p>EN-TM <input type="checkbox"/> Wilmington Operating Division</p> <p>EN-TS</p> <p>CO <input type="checkbox"/> DIRECTORATE OF CONTRACTING</p> <p>CO-A</p> <p>CO-C <input type="checkbox"/> OFFICE OF SECURITY AND LAW ENFORCEMENT</p> <p>CO-CD</p> <p>CO-CM</p> <p>CO-CQ</p> <p>CO-CX</p> <p>CO-O</p> <p>CO-OR</p> <p>CO-ON</p> <p>CO-H</p> <p>CO-R <input type="checkbox"/> SAFETY & OCCUPATIONAL HEALTH OFFICE</p> <p>CO-RO</p> <p>CO-RR</p> <p>CO-RN</p> <p>CO-E</p> <p>CO-ED</p> <p>CO-EE</p> <p>CO-EO</p> <p>RE <input type="checkbox"/> AIR FORCE REGIONAL CIVIL ENGINEERS EASTERN REGION</p> <p>RE-O</p> <p>RE-A</p> <p>RE-M</p> <p>RE-C</p> <p>LM <input type="checkbox"/> HEALTH FACILITIES OFFICE</p> <p>LM-A</p> <p>LM-P</p> <p>LM-T</p> <p>LM-S</p> <p>HR <input type="checkbox"/> MANAGEMENT ENGINEERING BRANCH</p> <p>HR-A</p> <p>HR-AL</p> <p>HR-AD</p> <p>HR-AP</p> <p>HR-AS</p> <p>HR-M</p> <p>HR-J</p> <p>HR-S</p> <p>HR-W</p> <p>CT</p> <p>SL</p> <p>SO</p> <p>AFRCE-ER</p> <p>HFO-ER</p> <p>CERM-OE</p>
---	---	--

FOR: ACTION SIGNATURE REVIEW & COMMENT INFORMATION
 APPROVAL RECOMMENDATION DRAFT REPLY FILE

REMARKS: DERP-FUDS (POSITIVE) Culebra Island N.W.R.

JOR PRO06800

S: 25 Oct 91

Tom Billings