CF. PM-H
21 Dec 92

DEPARTMENT OF THE ARMY
U.S. Army Corps of Engineers
WASHINGTON, D.C. 20314-1000

REPLY TO
ATTENTION OF:

CEMP-RF (200-1a)

12 Dec 92

MEMORANDUM FOR

COMMANDER, HUNTSVILLE DIVISION, ATTN: CEHND-PM-OT
COMMANDER, SOUTH ATLANTIC DIVISION, ATTN: CESAD-PD-R

SUBJECT: Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS), Inventory Project Report (INPR) for Sites Requiring Ordnance and Explosive Waste (OEW) Investigations

1. Reference memorandum, CEHND-PM-OT, 23 October 1992, SAB (enclosed).

2. I concur with Huntsville Division's recommendation detailed at the reference, for initiation of an ordnance and explosive waste (OEW) project as listed below. Accordingly, the following project is approved:

Project Name	Project No.	Project Category	Project Phase
Indian Rocks A/G Gny Rng	I04FL033701	OEW	EE/CA*

*Engineering Evaluation/Cost Analysis

3. The project is assigned to Huntsville Division for execution.

4. Within sixty days of the date of this memorandum, the following actions must be completed:

a. CESAD must ensure Jacksonville District notifies the landowner(s) of the decision and provides copies of the notification letter to CEMP-RF and CEHND-PM-EP, and updates information in the FUDS inventory accordingly.

b. CEHND must ensure the project is programed in the appropriate fiscal year workplan.

200.1e
I04FL033701 01.08 0003

CEMP-RF (200-1a)
SUBJECT: Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS), Inventory Project Report (INPR) for Sites Requiring Ordnance and Explosive Waste (OEW) Investigations

5. POC: Mr. Jim Coppola, (202) 504-4992.

FOR THE DIRECTOR OF MILITARY PROGRAMS:

Encl

FOR MICHAEL H. FELLOWS
Colonel, Corps of Engineers
Chief, Environmental Restoration Division
Directorate of Military Programs

DEPARTMENT OF THE ARMY
HUNTSVILLE DIVISION, CORPS OF ENGINEERS
P.O. BOX 1600
HUNTSVILLE, ALABAMA 35807-4301

6 NOV 1992

REPLY TO
ATTENTION OF

CEHND-PM-OT (415-10f) 23 October 1992

MEMORANDUM FOR Commander, HQUSACE, ATTN: CEMP-RF (Jim Coppola), 20 Massachusetts Avenue, NW., Washington, DC 20314-1000

SUBJECT: DERP-FUDS Inventory Project Reports (INPRs) Requiring an Ordnance and Explosive Waste (OEW) Engineering Evaluation/Cost Analysis (EE/CA)

1. The enclosed INPRs have been submitted for further investigation or action by Huntsville Division. We have reviewed the INPRs and recommend a phased EE/CA for the following sites:

DIVISION	PROJECT NO.	SITE NAME
SAD	I04FL033701	Air to Ground Gunnery Range
	I04FL020301	Pinellas PBR
SWD	K06OK018503	Naval Air Technical Training Center
	K06TX006201	Pampa Army Airfield
NED	D01MA004001	Springfield Armory - Hillshops Area
	D01MA024803	Tom Nevers Naval Base
	D01MA045001	Mashpee Island Bombing Target Range
	D01ME012003	Fort Preble
NPD	F10OR016001	Boardman Air Force Range
ORD	G05OH001804	Plum Brook Ordnance Works

2. A completed DD1391 cost estimate is included with each enclosure. The projects will be added to the workplan as appropriate.

3. Request CEMP-RF approve the above sites as OEW projects for Huntsville Division action.

4. If there are any questions, please contact Mr. Robert Nore at DSN 645-1512 or commercial 205-955-1512.

FOR THE DIRECTOR OF PROGRAMS
AND PROJECT MANAGEMENT:

Encls

for LAWSON S. LEE, P.E.
Chief, Ordnance and Technical
Programs Division

CF:
Commander
U.S. Army Engineer Division, South Atlantic, ATTN: CESAD-PD-R
U.S. Army Engineer Division, South Western, ATTN: CESWD-PP-M
U.S. Army Engineer Division, New England, ATTN: CENED-RE-AM
U.S. Army Engineer Division, Ohio River, ATTN: CEORD-DL-MS
U.S. Army Engineer Division, North Pacific, ATTN: CENPD-PM-MP

A-205

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)

09 SEP 1992

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: DERP-FUDS Inventory Project Report (INPR) for Air to Ground Gunnery Range, Indian Rocks, FL, Site No. I04FL033700

1. I am forwarding the INPR for the subject site for appropriate action. The site and the proposed Ordnance Explosive Waste (OEW) project are eligible for DERP-FUDS. The Risk Assessment Code score is 2.

2. I recommend that CEHND determine if further study and remedial action are required at the site.

3. The Division focal point for this effort is Mr. Gary Mauldin, CESAD-PD-R, at 404-331-6043. The Division focal point for actions beyond the preliminary assessment phase is Richard Connell, CESAD-PM-H, at 404-331-7045.

Encl

JAMES H. SIMMS
Colonel, EN
Commanding

CF (w/encl):
CESAJ-PD-EE

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

REPLY TO ATTENTION OF

CESAJ-PD-EE (1110-2-1150b)

29 July 1992

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

SUBJECT: DERP-FUDS Inventory Project Report (INPR) for Site No. I04FL033700, Air To Ground Gunnery Range, Indian Rocks, Florida

1. This INPR reports on the DERP-FUDS Preliminary Assessment of Air To Ground Gunnery Range. A site visit was conducted on 14 January 1992. The Site Survey Summary Sheet and site map are Enclosure 1.

2. We determined that the site was formerly used by the Department of Defense. A recommended Findings and Determination of Eligibility (FDE) is Enclosure 2.

3. We also determined there is hazardous waste at the site eligible for clean-up under DERP-FUDS. The category of hazardous waste is Ordnance and Explosive Waste (OEW). The Project Summary Sheet is Enclosure 3 for the potential OEW project.

4. I recommend that you:

a. Approve and sign the FDE.

b. Forward a copy of this INPR to HND for the PA file, and for a determination of the need for further study of the former gunnery range.

5. Point of contact is Russ Jones, 904-232-2168.

3 Encls

TERRENCE C. SALT
Colonel, Corps of Engineers
Commanding

SITE SURVEY SUMMARY SHEET
FOR
DERP-FUDS SITE NO. I04FL033700
AIR TO GROUND GUNNERY RANGE, INDIAN ROCKS, FL
17 JULY 1992

SITE NAME: Air To Ground Gunnery Range, Indian Rocks.

LOCATION: The site is comprised of two areas in Pinellas County, Florida. The 177.8 acre area is in Belleair Beach, two miles southeast of Clearwater and three miles north of Indian Rocks Beach. The 2.5 acre site is located approximately a half mile south of the larger area and is located in Belleair Shores. See the attached site location map.

SITE HISTORY: During the early 1940's, the U.S. acquired two tracts of land (177.8 acres and 2.5 acres) for the Army Air Force. The site was used by the Army Air Force and perhaps Navy ships as a gunnery range. There is also evidence that the site was used as an antiaircraft practice gunnery range. In 1947, the two areas were disposed of by lease cancellation. The north area is currently privately owned and utilized for hotels and multifamily condominiums. The south area is privately owned and utilized for single family residences.

SITE VISIT:

A site visit was conducted at the 2.5 acre area by Russ Jones, CESAJ-PD-EE, on 14 January 1992. He talked to two of the five homeowners who currently reside there. There was no evidence of hazardous/toxic waste, abandoned storage tanks, ordnance/explosive waste, or unsafe structures/debris.

A site visit was conducted at the 177.8 acre area by Russ Jones, CESAJ-PD-EE, on 11 June 1992. He met with Chief Frank Anderson of the Belleair Beach Police Department. There was no evidence of hazardous/toxic waste, abandoned storage tanks, or unsafe structures/debris. The city of Belleair Beach has had problems with rockets washing up onshore or being carried onshore by swimmers since 1975.

Site POC: Frank P. Anderson, Chief of Police
Belleair Beach Police Department
444 Causeway Boulevard
Belleair Beach, Florida 34635
813-595-4652

CATEGORY OF HAZARD: OEW.

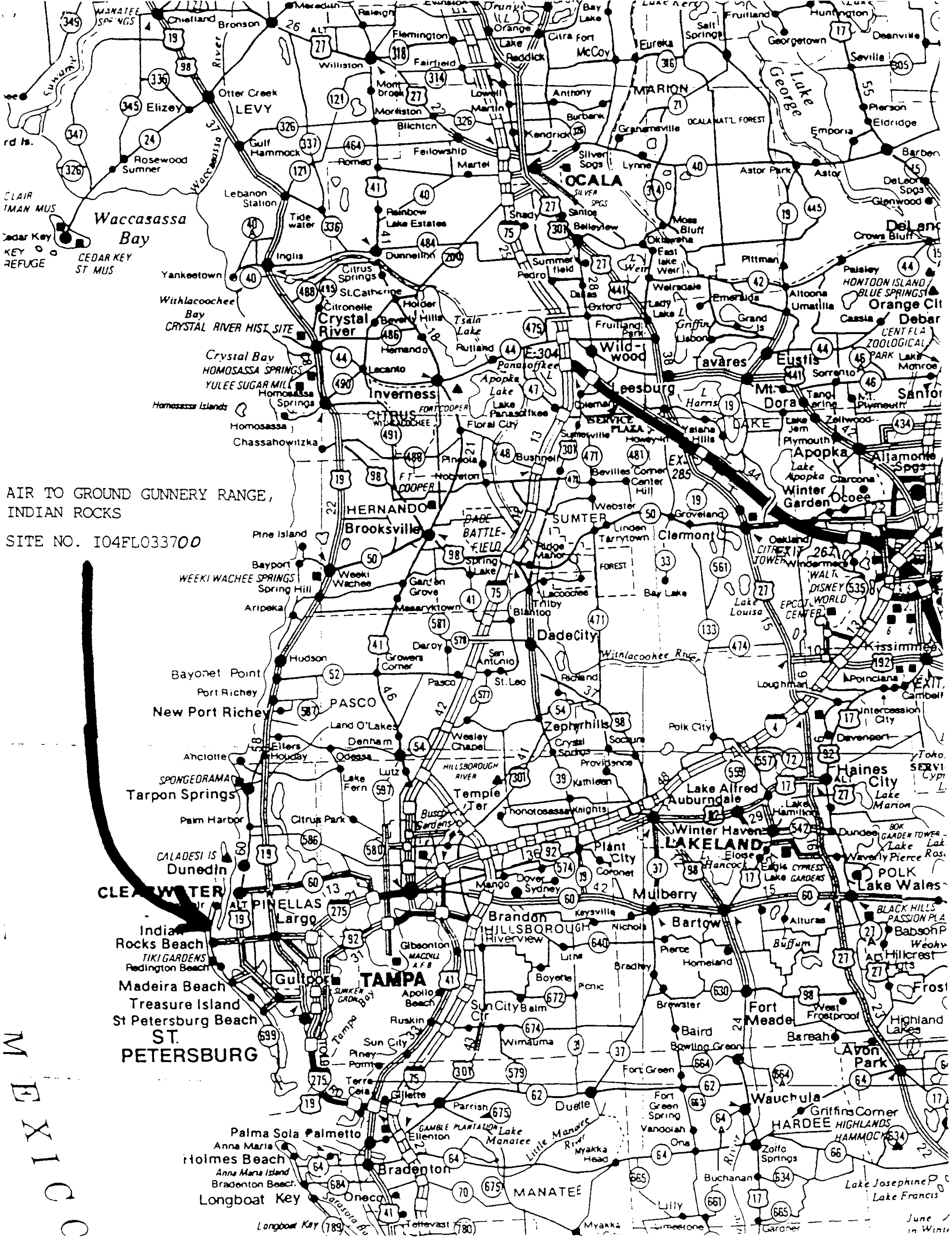
PROJECT DESCRIPTION: CEHND should make a determination of the need for an investigation at the former gunnery range beyond the scope of the Preliminary Assessment.

AVAILABLE STUDIES AND REPORTS: Several items of correspondence related to the ordnance problems at Belleair Beach are attached.

DISTRICT POC: Russ Jones, CESAJ-PD-EE, 904-232-2168.

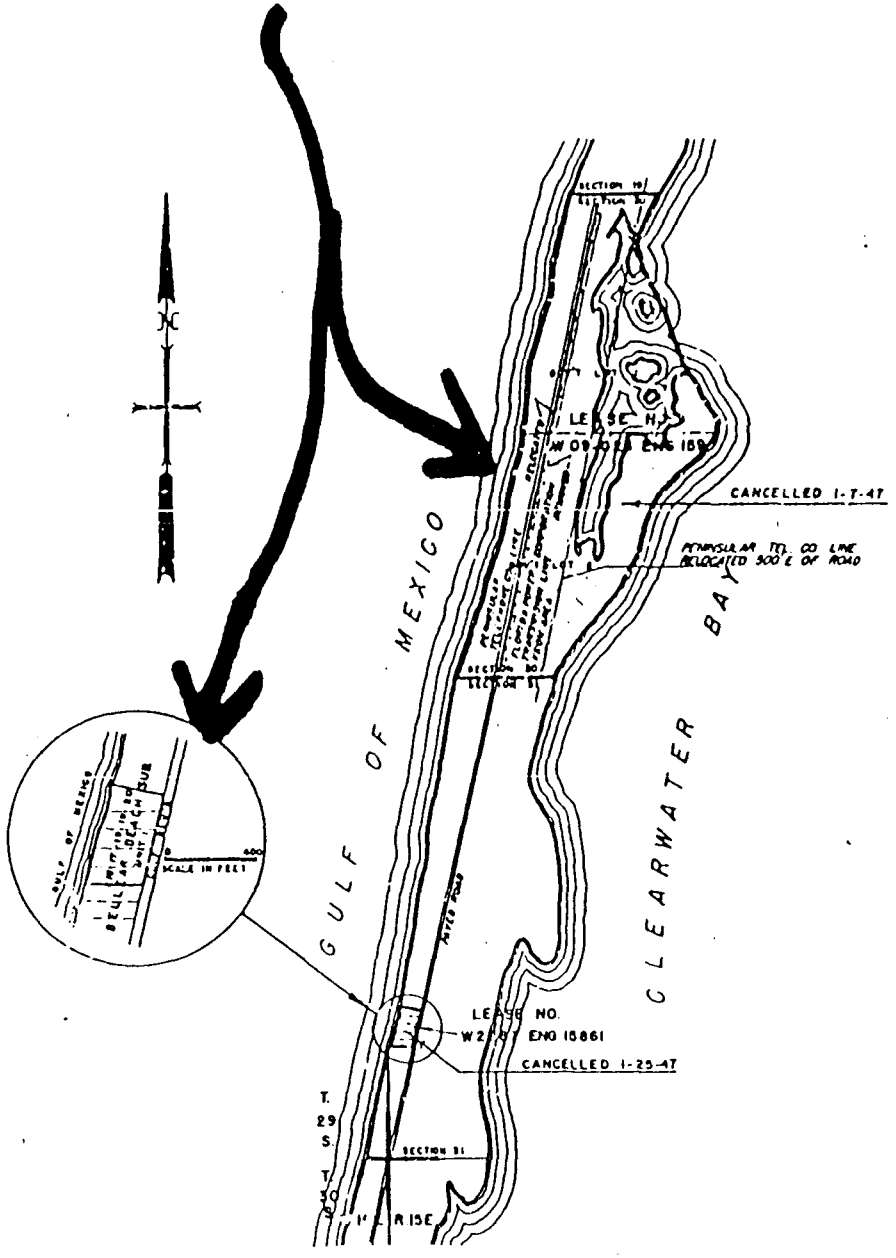
AIR TO GROUND GUNNERY RANGE,
INDIAN ROCKS

SITE NO. I04FL033700

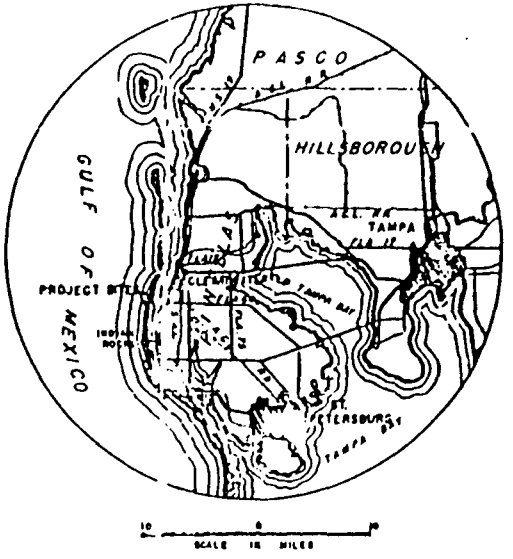


AIR TO GROUND GUNNERY RANGE, INDIAN ROCKS

SITE NO. I04FL033700



STATE INDEX



VICINITY MAP

TRACT NO.	LEASE NO.	VENDOR	ACRES LEASED
		AIR TO GROUND GUNNERY RANGE	
(NONE)	W09-026 ENG 159	ARNOLD S. KIRKEBY, ET UX	177.8
		ANTI-AIRCRAFT GUNNERY RANGE	
(NONE)	W22ØT ENG 15861	ARNOLD S. KIRKEBY, ET UX	2.8

DIRECTIVE DATA

RELOCATION OF TELEPHONE LINE

FINAL

STATE FLORIDA

COUNTY PINELLAS

DIVISION SOUTH

SERVICE COMMAND

USING AGENCY AR

2 MILES SE

3 MILES N

TRANSPORTA

SAL

17,99

LAN

ACRES OWNED BY

ACRES LEASED BY

ACRES LEASED FRO

ACRES TRANSFERRE

ACRES DONATED TO

ACRES AC

DISP

ACRES SOLD

ACRES TERMINATED

ACRES EXCHANGED

ACRES OTHERWISE

LE

RESERVATION LINE

STATE OR PROVINCE

COUNTY LINE

CIVIL DISTRICT PRECI

LAND-GRANT LINE

CITY, VILLAGE, OR BOR

CEMETERY, SMALL PAR

TOWNSHIP LINE

SECTION LINE

AVIGATION EASEMENT

FEE SIMPLE

SCALE

VIAR DEP

CONSTRUC

REAL

AIR TO GROUNE

ANTI-AIRCRAFT

INDIAN R

MILITARY

RECOMMENDED

APPROVED

COMPILED

TRACED

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

AIR TO GROUND GUNNERY RANGE, INDIAN ROCKS, FL

SITE NO. I04FL033700

FINDINGS OF FACT

1. During the early 1940's, the United States acquired from two private individuals by lease, two separated tracts of land, 2.5 acres and 177.8 acres, a total of 180.30 acres in leasehold, for a gunnery range. The site was developed and named the Air To Ground Gunnery Range, Indian Rocks, Florida. The site was located two miles southeast of Clearwater and three miles north of Indian Rocks, in Pinellas County, Florida.

2. The site was used by the Army Air Force for the purpose of a gunnery range. No information could be located pertaining to any improvements being constructed by the War Department. Therefore, it is unknown whether or not there were any improvements constructed on the site.

3. The entire site consisting of 180.30 acres in leasehold was disposed of by lease cancellation; 177.8 acres canceled on 7 January 1947 and 2.5 acres canceled on 25 January 1947. The terms and conditions of the lease and termination notices or if there were any restorations required are unknown as copies of those instruments could not be located. Disposal information was taken from the real estate map. The south tract (2.5 acres) is privately owned and currently utilized for single family residences. The north tract (177.8 acres) is privately owned and currently utilized for hotels and multifamily condominiums.

DETERMINATION

Based on the foregoing Findings of Fact, the site 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 USC 2701, et seq.

9 Sep 92
DATE

James H. Simms
JAMES H. SIMMS
Colonel, EN
Commanding

PROJECT SUMMARY SHEET
FOR
DERP-FUDS OEW PROJECT NO. I04FL033701
AIR TO GROUND GUNNERY RANGE, INDIAN ROCKS, FL
SITE NO. I04FL033700
17 JULY 1992

PROJECT DESCRIPTION: The city of Belleair Beach has had problems with rockets washing up onshore, being carried onshore by swimmers, or being spotted underwater by divers since 1975. The attached map shows the stretch of beach where ordnance has been located. The city of Belleair Beach has asked for and received assistance from Navy and/or Army explosive units in searching for and removing the rockets in 1975, 1977, 1980, 1986, and 1987. The types of ordnance that have been found are 4.5-inch barrage rockets and 2.25-inch scar rockets. The rockets were found to contain their original explosive charges. The rockets are still intact because they were de-fused prior to being fired from aircraft. The aircraft were participating in mock attacks in support of practice beachhead landings during World War II.

PROJECT ELIGIBILITY: The Army's use of the site as a gunnery range is responsible for the ordnance that has been found. Our records indicate that the last underwater ordnance sweep was conducted in 1987. There is no recent evidence of any remaining ordnance, however, chances are reasonably good that a strong storm has uncovered or will uncover additional ordnance.

POLICY CONSIDERATIONS: This potential project satisfies all current policy considerations regarding OEW.

PROPOSED ACTIVITIES: This INPR should be referred to CEHND for a determination of the need for an investigation at the former gunnery range beyond the scope of the Preliminary Assessment.

RISK ASSESSMENT: A Risk Assessment Code (RAC) of 2 has been assigned to this project (see attached Risk Assessment Procedures).

DISTRICT POC: Russ Jones, CESAJ-PD-EE, 904-232-2168.

PRESS RELEASE .. . . August 22, 1975

The Mayor of Belleair Beach has just been advised by the Army Bomb Disposal Unit, which participated with the Navy in the recent bomb survey off Belleair Beach and vicinity, that of the fourteen rockets so far recovered and tested, all fourteen were found to contain high explosives. The rockets had been de-fused to prepare them for use in mock attacks in support of practice beachhead landings during World War II.

The Mayor was urged to publicize this fact and issue an appeal to all persons possessing such rockets picked up for souvenirs to notify him immediately, after which the Bomb Disposal group will fly to Belleair Beach and remove them for safe disposal on each call. The rockets explosive charges are in an "unstable" condition, and any attempt to clean them up and make lamp bases or any operation such as applying an electric drill could result in tragedy.

The military will begin a complete sweep operation on Tuesday, August 26th.

The Mayor urges that all present rockets be reported to him immediately and any others located should be left strictly unmolested pending the sweep. The danger of death or dismemberment is very real.

Mayor Charles A. Root, Jr.

BELLEAIR BEACH
ON GULF AND BAY
444 CAUSEWAY BLVD., BELLEAIR BEACH, FLORIDA 33535

June 28, 1977

Honorable W. Graham Claytor
Secretary of the Navy
Navy Department
Pentagon Building
Washington, D.C. 20350

Dear Mr. Secretary:

On September 15, 1975, I wrote your predecessor thanking the Navy Department for assistance in searching our beach area for explosive materials. Attached is a copy of that letter. It again seems necessary to request your assistance because additional 4.2 rockets have been found.

Within the last two weeks, three (3) 4.2 rockets have been discovered and turned over to the 66th EOD stationed at Cape Canaveral, Florida. They advised they contained 2.8 lbs. of explosives. In addition, swimmers have reported many more in waters close to the shore.

I would appreciate it very much if you could take necessary action to send someone to evaluate this situation and determine whether a full scale search is necessary.

We feel that this situation is hazardous and potentially dangerous to our residents and visitors. I would appreciate any corrective action you could furnish us.

Sincerely,

Charles A. Root, Jr.
Mayor

CAR/d
attachment

CITY of BELLEAIR BEACH
444 CAUSEWAY BOULEVARD
BELLEAIR BEACH, FLORIDA
P. O. INDIAN ROCKS BEACH 33535

September 15, 1975

Honorable J. William Middendorf
Secretary of the Navy
Navy Department
Washington, D. C. 20350

Dear Mr. Secretary:

It has been thought you may find the enclosed press collection of more than passing interest. It will also furnish needed background for the purpose of this letter.

This City wishes to commend to you the Navy personnel who participated in the subject operation. (It is now completed and during the work one hundred thirty-two (132) items of ordnance were recovered and detonated, twenty-one and six-tenths (21.6) miles of swimming were done and two hundred ten thousand (210,000) square yards of underwater landscape were explored.)

This is a small city located on the Gulf of Mexico and any activity generates attention. This particular situation was inherently glamourous but the summer doldrums and the lack of other area news made it a natural for the ultimate in attention from media and citizen alike. National media coverage eventually focused on the project.

The Navy personnel who participated in the operation were most cooperative and courteous, not only to the media but to everyone in the City with whom they came in contact. They collectively and individually conducted themselves in a manner completely compatible with the highest traditions of the Navy.

The cooperation and attention to protocal which they exhibited toward this office further indicated their excellent calibre.

The Navy personnel participating in this exceptional operation were:

1. CWO 3 Henry S. Thrift, Jr. USN (266 59 4986)
   Navy officer-in-charge, Explosive Ordnance Disposal Detachment, Naval Surface Weapons Center Facility, 1651 S.W. 39th St., Ft. Lauderdale, Florida 33315.

2. BMCS Robert (NMN) Coleman, Jr. USN (231 30 1461)

3. MRCS Victor C. Wisniewski USN (106 28 8155)

4. AO1 George T. La Bree USN (262-88-8261)

The City of Belleair Beach deeply appreciates the work done by the referenced Navy personnel and wishes the Navy Department a happy voyage home in all of its future endeavors and responsibilities.

Sincerely,

Charles A. Root, Jr.
Mayor

via:

Benton S. Lowe
Deputy Mayor
(By Direction)

mgb

Enclosures

DEPARTMENT OF THE NAVY

EXPLOSIVE ORDNANCE DISPOSAL GROUP TWO DETACHMENT

NAVAL AIR STATION

CECIL FIELD, FLORIDA 32215

29 May 1986

From: Officer in Charge, Explosive Ordnance Disposal Group Two Detachment, Naval Air Station, Cecil Field, FL 32215-0144
To: Belleair Police Department, Belleair Beach, FL 33532

Subj: TRIP REPORT, BELLEAIR BEACH FLORIDA

1. Purpose. The purpose of this trip was to remove unexploded U.S. Ordnance from the waters off Belleair Beach Florida.

2. Background. This mission was necessitated by the fact that unexploded U.S. Ordnance was being discovered and recovered by civilian personnel swimming off Bellair Beach Florida.

3. Dates. Inclusive dates of this trip were 26-28 May 1986.

4. Personnel making visit.

a. LT A. J. ASHTON
b. GMCM J. R. STALLINGS
c. OS1 K. T. MORFORD
d. GMG3 D. A. BROUSE
e. OS3 F. S. PETERSON

5. Personnel contacted.

a. SGT Jerry Slider, Belleair Beach Police Department.

6. Discussion. Upon surveying site, plans were made to make twelve dives using a 50 foot circle line search at random sites. A total of thirteen items and pieces were recovered.

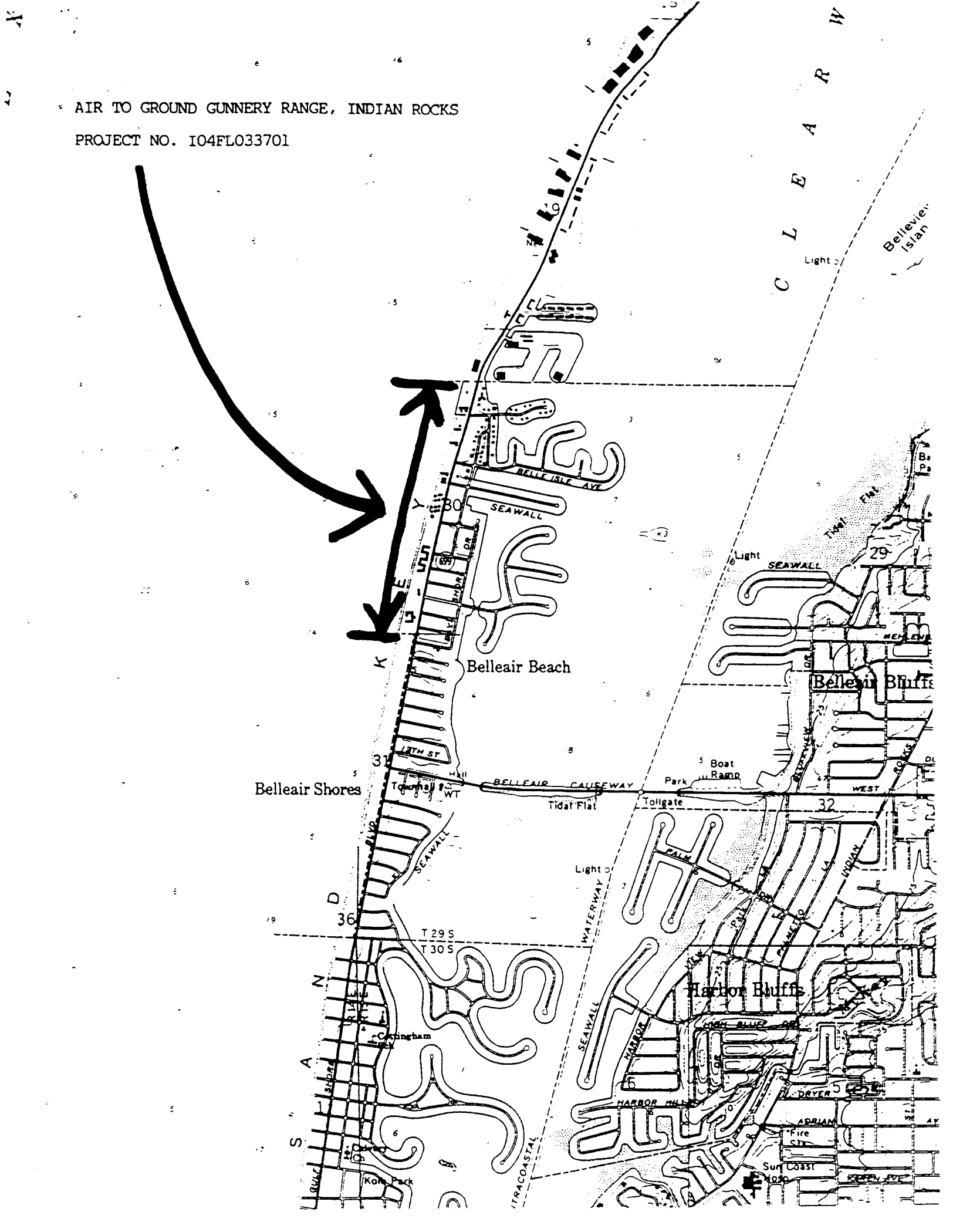
7. Conclusions. Visibility ranged from one foot to three foot. Maximum depth was approximately 20 feet. It is the opinion of this Detachment that current and shifting sands uncover and recover ordnance from day to day. To sweep the area completely a search using Jackstay Method and Electronic Search Equipment should be utilized.

A. J. Ashton

A. J. ASHTON

AIR TO GROUND GUNNERY RANGE, INDIAN ROCKS

PROJECT NO. I04FL033701



10 Jul 1992
Previous editions obsolete

RISK ASSESSMENT PROCEDURES FOR ORDNANCE AND EXPLOSIVE WASTE (OEW) SITES

Site Name Pinellas Cty. Area to Gross Key, Rater's Name D Fowler
Site Location Pinellas Cty, Tarpon Springs FL Organization USAEHSC-ED-CX
DERP Project # I04FL003700 RAC 1
Date 24 Sept 92

OEW RISK ASSESSMENT:

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

The OEW risk assessment is based upon documented evidence consisting of records searches, reports of Explosive Ordnance Disposal (EOD) detachment actions, and field observations, 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 worst credible mishap resulting from personnel exposure to various types and quantities of unexploded ordnance items.

TYPE OF ORDNANCE

A. Conventional Ordnance and Ammunition

	YES VALUE	NO VALUE	VALUE
Small Arms (.22 cal - .50 cal)	1	0	1
Medium/Large Caliber (20 mm and larger)	10	0	10
Bombs, Explosive	10	0	10
Bombs, Practice (w/spotting charges)	6	0	6
Grenades, Hand and Rifle, Explosive	10	0	0
Grenades, Practice (w/spotting charges)	4	0	0
Landmines, Explosive	10	0	0
Landmines, Practice (w/spotting charges)	4	0	0
Rockets, Guided Missiles, Explosive	10	0	10
Detonators, Blasting Caps	6	0	0

Conventional Ordnance and Ammunition Value (Maximum of 10). 10

B. Pyrotechnics(For munitions not described above.)

	YES VALUE	NO VALUE	VALUE
Munition (Container) Containing White Phosphorus or other Pyrophoric Material (i.e., Spontaneously Flammable)	10	0	0
Munition Containing A Flame or Incendiary Material (i.e., Napalm, Triethlaluminum Metal Incendiaries)	6	0	0
Flares,Signals, Simulators	4	0	0
Pyrotechnics Value (Maximum of 10).			0

C. Bulk High Explosives (Bulk explosives not an integral part of conventional ordnance; uncontainerized.)

	YES VALUE	NO VALUE	VALUE
Primary or Initiating Explosives (Lead Styphnate, Lead Azide, Nitroglycerin, Mercury Azide, Mercury Fulminate, Tetracene, etc.)	10	0	0
Demolition Charges	10	0	0
Booster, Bursting or Fuze Explosives (PETN, Compositions A, B, C, Tetryl, TNT, RDX, HMX, HBX, Black Powder, etc.)	8	0	0
Military Dynamite	6	0	0
Less Sensitive Explosives (Ammonium Nitrate, Explosive D, etc.)	3	0	0
High Explosives Value(Maximum Value of 10)			0

D. Propellants

	YES VALUE	NO VALUE	VALUE	
Solid or Liquid Propellants	6	0	0	0

E. Radiological/Chemical Agent/Weapons

	YES VALUE	NO VALUE	VALUE
Toxic Chemical Agents (Choking, Nerve, Blood, Blister)	25	0	0
Radiological	15	0	0
Riot Control and Miscellaneous (Vomiting, Tear, etc.)	5	0	0

Radiological/Chemical Agent/Weapons Value (Maximum 25). 12

Total Ordnance and Explosive Waste Characteristics Value (Total = A + B + C + D + E with a Maximum value of 61). 16

Apply this value to Table 1 to determine Hazard Severity Category.

TABLE 1

HAZARD SEVERITY

Description	Category	Value
CATASTROPHIC	I	≥21
CRITICAL	II	≥13 <21
MARGINAL	III	≥5 <13
NEGLIGIBLE	IV	≥1 <5
NONE		0

*** Apply Hazard Severity Category 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 unexploded ordnance or explosive materials on a formerly used DOD site.

AREA, EXTENT, ACCESSIBILITY OF CONTAMINATION

A. Locations of Contamination

	YES VALUE	NO VALUE	VALUE
On the surface	5	0	5
Within Tanks, Pipes, Vessels or Other confined locations.	4	0	0
Inside walls, ceilings, or other parts of Buildings or Structures.	3	0	0
Subsurface	2	0	2

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

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

Distance to Nearest Target	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
Over 2 miles	1

Distance to Persons Value (Maximum Value of 5). 5

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 5	1
6 to 10	2
11 to 15	3
16 to 25	4
26 and over	5

Number of Buildings Value (Maximum Value of 5). 5

D. Types of Buildings (within a 2 mile radius)

	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). 5

E. Accessibility to site refers to access by humans 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 surrounds 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
Isolated site	1
Security guard, but no barrier	2
A barrier, (any kind of fence) but no separate means to control entry	3
Barriers do not completely surround the facility	3
No barrier or security system	5

Accessibility Value (Maximum Value of 5). 5

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 errosion by beaches or streams, increasing land development that could reduce distances from the site to inhabitated areas or otherwise increase accessability.

	VALUE
None Anticipated	0
Expected	(5)
(Maximum Value of 5)	5

Total value for hazard probability.
Sum of Values A through F.
(Not to exceed 30). 30

Apply this value to Hazard Probability Table 2 to determine Hazard Probability Level.

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 Level 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.

TABLE 3

Probability Level		FREQUENT A	PROBABLE B	OCCASIONAL C	REMOTE D	IMPROBABLE E
Severity Category:						
CATASTROPHIC	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

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. Initial project phase--phased EECA.

RAC 3 Action required to evaluate potential threat to personnel. Initial project phase--Archives search and site investigation.

RAC 4 Action required to evaluate potential threat to personnel. Initial project phase--Archives search.

RAC 5 No action required.

NOTE: Other phases may be considered depending on individual site conditions.

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

Due to the possibility of UEC being found on the site that was not mentioned in the previous RAC this new RAC score is not accepted to a RAC 1. This new information was obtain per Forecon w/ LT Erchano 66 CES ORD Det (ECD), Patrick AFB, FL

1. COMPONENT	FY 19	MILITARY CONSTRUCTION PROJECT DATA	2. DATE
			29 Sep 92

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Pinellas Cty Air to Ground Range Indian Rocks, Pinellas Cty, FL	DERP-FUDS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	OEW	I04FL03370	$219,000.

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINEERING EVALUATION/COST ANALYSIS (EE/CA)				
PHASE I				
Archives Search				$ 25.
Site Visit				10.
Aerial Photographs				5.
S&A (8%)				3.2
		Phase I	Total	$ 43.2
PHASE II				
Work Plan				10.
On-Site Investigation				50.
Surface sampling 18 acres @$3,000				54.
Subsurface sampling 2 acres @$5,000.				10.
Engineering Report				25.
		Phase II	Subtotal	$ 149.
S&A (8%)				11.9
CEHND QA Management (10%)				14.9
		Phase II	Total	$ 175.8
		EE/CA	Total	$ 219.0

10. Description of Proposed Construction

1. Archives Search will determine land use, types of ordnance, etc. Will include site visit during which interviews of former employees and current land owners will be conducted. Aerial photographs will be collected and analyzed for past disposal practices and uses.
2. Site investigation, if justified by archives search results, will include development of a work plan for surface and subsurface sampling of suspect areas of ordnance and then extent of contamination if confirmed. Site investigation will determine environmental concerns.
3. The Engineering Report will consider the various alternatives for remedial action (including no action), evaluate the costs for each and recommend the appropriate removal action.
4. This site contains over 179 acres.

APPENDIX A
RISK ASSESSMENT PROCEDURES FOR
EXPLOSIVE ORDNANCE (EXO)

Site Name Air To Ground Gunnery Rge
Site Location Belleair Beach, FL
DERP Project # I04FL033701

Rater's Name Russ Jones
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

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

	Yes Value	No Value	Value
Demolition Charges	10	0	0
Conventional Ordnance and Ammunition Value (Maximum of 10).			10

B. Pyrotechnics

	Yes Value	No Value	Value
Any Munitions Containing White Phosphorous or other Pyrophoric Material (i.e., Spontaneously Flammable)	10	0	0
Any Munitions Containing a Flame or Incendiary Material (i.e., Napalm, Triethaliuminum Metal Incendiaries)	6	0	0
Military Flares	4	0	0
Pyrotechnics Values (Maximum of 10).			0

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

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

D. Propellants

	Yes Value	No Value	Value
Solid or Liquid Propellants	3	0	0 0

E. Chemical Agents/Radiological Materials/Munitions

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

Chemical Agents/Radiological Materials/Munitions Value (Maximum 25). 0

Total Ordnance and Explosive Waste Characteristics Value (Total = A + B + C + D + E with a Maximum value of 61). 10

TABLE 1

HAZARD SEVERITY

Description	Category	Value
CATASTROPHIC	I	≥21
CRITICAL	II	≥13 <21
MARGINAL	III	≥ 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

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

Distance to Nearest Target	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). 5

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). 5

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). 5

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).	5

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 inhabitated areas or otherwise increase accessibility.

	VALUE	
None Anticipated	0	
Expected	5	
(Maximum Value of 5)		5
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.		____

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 - III (from Table 1)

HAZARD PROBABILITY - A (from Table 2)

TABLE 3

Probability Level		FREQUENT A	PROBABLE B	OCCASIONAL C	REMOTE D	IMPROBABLE E
Severity Category:						
CATASTROPHIC	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.

F:GVM

Mr. Mauldin/np/16043

CESAD-PD-R (200)

09 SEP 1992

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: DERP-FUDS Inventory Project Report (INPR) for Air to Ground Gunnery Range, Indian Rocks, FL, Site No. I04FL033700

1. I am forwarding the INPR for the subject site for appropriate action. The site and the proposed Ordnance Explosive Waste (OEW) project are eligible for DERP-FUDS. The Risk Assessment Code score is 2.

2. I recommend that CEHND determine if further study and remedial action are required at the site.

3. The Division focal point for this effort is Mr. Gary Mauldin, CESAD-PD-R, at 404-331-6043. The Division focal point for actions beyond the preliminary assessment phase is Richard Connell, CESAD-PM-H, at 404-331-7045.

Encl

JAMES H. SIMMS
Colonel, EN
Commanding

CF (w/encl):
CESAJ-PD-EE

Barnett/PD-R 9/4
Foreman/PD 9/4/92
Jones/PD 9/8/92
Ashhurst/DM
Simms/DE
PD

MFR: Self Explanatory.
G. MAULDIN

EN, PM, SO, RE, OC, CO, reviewed with no comments.

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

m: CESAD-PD-R date: 14 Aug 92

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- Deputy Commander (Military) — DM
- Executive Assistant — DX

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- Value Engineering Officer — VE

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- Civil Project Management Division — PP-C
- Military Project Management Division — PP-M
- Hazardous/Toxic Waste Restoration & Support for Others Division — PP-H

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- Resident Audit Office, Mobile — AO-KM
- Resident Audit Office, Wilmington — AO-KW

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

REMARKS: DERP FUDS (POSITIVE)
#FL033700
Air to Ground Gunnery Range, Indian Rocks

OEW

SO 28 Aug 92

SAD Form 1470
AUG 90

Previous editions of this form are obsolete.

Gray Mauldin

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

m: CESAD-PD-R date: 14 Aug 92

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

REMARKS: DERP FUDS (POSITIVE)
#FL033700
Air to Ground Gunnery Range, Indian Rocks

OEW

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Previous editions of this form are obsolete.

Gary MAULDIN

**REVIEW/COMMENT FORM FROM SAD-EN-F (2680) B HORNSBY

**1 - EN-F DATE RECEIVED: 18 AUG DATE ISSUED: 18 AUG

**2 - EN- NAME: DATE COMMENTS?

**3 - EN-F (BARB) RECEIVED EN-F OUT 25 Aug

NO. 233 SUBJECT: **GROUND GUNNERY RANGE, INDIAN ROCKS FL

**(PD) ___ G. MAULDIN

SUSPENSE DATE: 28 AUG 92

**COMMENTS: NC OK

COPIES FURNISHED TO:

EN-B EN-F EN-H EN-T

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

n: CESAD-PD-R date: 14 Aug 92

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○ **DIRECTORATE OF REAL ESTATE** R
- ☐ Acquisition Division RE-
- ☐ Appraisal Division RE-
- ■ Management & Disposal Division RE-M
- ☐ Planning & Control Division RE-

○ **DIRECTORATE OF LOGISTICS MANAGEMENT** LM
- ☐ Assistant Director LM-
- ☐ Protocol and Conferences LM-
- ☐ Transportation/Travel LM-
- ☐ Supply Room LM-

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

○ **DIRECTORATE OF CONTRACTING** C

○ **OFFICE OF SECURITY AND LAW ENFORCEMENT** PN

● **SAFETY & OCCUPATIONAL HEALTH OFFICE** SO

○ **AIR FORCE REGIONAL CIVIL ENGINEERS EASTERN REGION** AFRCE-E

○ **HEALTH FACILITIES OFFICE** HFC-E

○ **MANAGEMENT ENGINEERING BRANCH** CERM-C

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

REMARKS: DERP FUDS (POSITIVE)
#FL033700
Air to Ground Gunnery Range, Indian Rocks

(OEW)

No comments
[illegible]
SO 28Aug92

Gary MAULDIN

SAD Form 1470
AUG 90

Previous editions of this form are obsolete.

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

n: CESAD-PD-R date: 14 Aug 92

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

AFFIRMATIVE ACTION OFFICE — AA
- Equal Employment Opportunity — AA

DIRECTORATE OF INFORMATION MANAGEMENT — IM
- Info Rqmts & Planning Division — IM-P
- Technical Library — IM-PL
- Info Support Services Division — IM-S
- Comm Design & Ops Branch — IM-SC
- ☐ COMSEC Center — IM-SCC
- ☐ Computer Ops Branch — IM-SO
- ☐ Mail & Records Admin Branch — IM-SR
- Customer Assistance Center — IM-C
- ☐ Reprographics Branch — IM-CR
- ☐ Applications Support Branch — IM-CS

DIRECTORATE OF RESOURCE MANAGEMENT — RM
- Budget & Manpower Division — RM-B
- Finance & Accounting Division — RM-F
- Management Analysis Division — RM-M

AUDIT OFFICE — AO
- Internal Review Branch — AO-I
- Resident IR Office, Charleston — AO-IC
- 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 — OC 8/24

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 — 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

DIRECTORATE OF REAL ESTATE — RE
- ☐ Acquisition Division — RE-
- ☐ Appraisal Division — RE-
- ■ Management & Disposal Division — RE-M
- ☐ Planning & Control Division — RE-

DIRECTORATE OF LOGISTICS MANAGEMENT — LM
- ☐ Assistant Director — LM-
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- ☐ Wilmington Operating Division — EP-

DIRECTORATE OF CONTRACTING — C

OFFICE OF SECURITY AND LAW ENFORCEMENT — PM

SAFETY & OCCUPATIONAL HEALTH OFFICE — SO

AIR FORCE REGIONAL CIVIL ENGINEERS EASTERN REGION — AFRCE-E

HEALTH FACILITIES OFFICE — HFC-E

MANAGEMENT ENGINEERING BRANCH — CERM-C

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REMARKS: DERP FUDS (POSITIVE)
#FL033700
Air to Ground Gunnery Range, Indian Rocks

OEW

SD 25AUG 92

Gray MAULDIN

SAD Form 1470
AUG 90

Previous editions of this form are obsolete.

CESAD-RE-M (405) 26 August 1992

MEMORANDUM FOR CESAD-PD-R

SUBJECT: DERP-FUDS, INPR, Air to Ground Gunnery Range, Indian Rocks, FL (Site No. 104FL033700)

We concur in the Findings and Determination of Eligibility.

E. A. SOUSA
Director of Real Estate

DEPARTMENT OF THE ARMY

SOUTH ATLANTIC DIVISION, CORPS OF ENGINEERS

ROOM 313, 77 FORSYTH ST., S.W.

ATLANTA, GEORGIA 30335-6801

PD-R
Mauldin
Site Survey

REPLY TO
ATTENTION OF:

CESAD-PM-H (200-1a)

05 JAN 1993

MEMORANDUM FOR CDR, JACKSONVILLE DISTRICT, ATTN: CESAJ-DP-I

SUBJECT: Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS), Inventory Project Report (INPR) for Site No. I04FL033700, Indian Rocks Air to Ground Gunnery Range, Indian Rocks, Florida

1. Reference enclosed Memorandum, CEMP-RF, 12 December 1992, subject as above.

2. Execution of the Engineering Evaluation and Cost Analysis phase of subject project has been assigned to Huntsville Division. Jacksonville District should coordinate with Huntsville Division and ensure that funds for the remedial action phase and associated supervision and administration are programmed in the appropriate fiscal year work plan(s).

3. The landowner(s) must be notified of the decision in accordance with paragraph 4 of the referenced memorandum. Provide copies of the notification letter(s) to CESAD-PM-H, CEMP-RF and CEHND-PM-EP.

4. Point of contact for this matter is Sharon Ernst, CESAD-PM-H at (404) 331-2495.

FOR THE COMMANDER:

John W. Rushing

Encl

JOHN W. RUSHING, P.E.
Director of Programs and
Project Management