



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

REPLY TO
 ATTENTION OF:

CEMP-RF (200-1a)

15 JUL 1993

MEMORANDUM FOR

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

SUBJECT: Defense Environmental Restoration Program for Formerly
 Used Defense Sites (DERP-FUDS), Inventory Project Report (INPR)
 for Site I04FL028700, Avon Park Air Force Range, Avon Park, FL

1. Reference memorandum, CEHND-PM-OT, 28 January 93, SAB.
2. I concur with Huntsville Division's recommendation detailed at the reference for initiation of an OEW project at the subject site. Accordingly, the following project is approved:

<u>Project Name</u>	<u>Project No.</u>	<u>Project Category</u>	<u>Project Phase</u>
Avon Park AFR *Engineering Evaluation/Cost Analysis	I04FL028701	OEW	EE/CA*

3. Overall project management for this site is the responsibility of Jacksonville District. This memorandum assigns technical management responsibility for execution of the OEW project through remedial design to CEHND. If required, execution of remedial action will be performed by CESAJ.
4. Within sixty days of the date of this memorandum, the following actions must be completed: The project manager will notify the landowners of the decision and provide copies of the notification to CEMP-RF, and CEHND-PM-EP. Additionally, the project manager, in coordination with the CEHND technical manager, will update the DERP-FUDS database and include this project in the appropriate DERP-FUDS annual workplan.
5. POC: Mr. Jim Coppola, (202) 504-4992.

FOR THE DIRECTOR OF MILITARY PROGRAMS:

Encl

for C.F. Bouch LTC, EN
 MICHAEL H. FELLOWS
 Colonel, Corps of Engineers
 Chief, Environmental Restoration
 Division
 Directorate of Military Programs

200.1e

I04FL028701_01.08_0003



16 FEB 1993



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

REF: TO
ATTENTION OF

CEHND-PM-OT (415-10f)

28 January 1993

MEMORANDUM FOR Commander, HQUSACE, ATTN: CEMP-RF (Mr. 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
MRD	B07KS021801	Great Bend Air to Ground Gunnery Range (encl 1)
	B07KS024501	Pratt County Gunnery Range (encl 2)
	B07KS024901	Pratt Air to Ground Gunnery Range (encl 3)
	B07KS025001	Pratt Rifle Range (encl 4)
SAD	I04FL028701	Avon Park Air Force Range (encl 5)

2. A completed DD1391 cost estimate is included with each enclosure. Request you approve the OEW project for our action.

3. The POC is Mr. Robert Britton, DSN 645-5482 or commercial 205-955-5482.

FOR THE DIRECTOR OF PROGRAMS
AND PROJECT MANAGEMENT:

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

5 Encls
as

Nore/lm/51229/1-28-10.bn #1

CEHND-PM-OT

28 January 1993

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

CF:

Commander

U.S. Army Engineer Division, Missouri River, ATTN: CEMRD-ED-HP,
P.O. Box 103, Downtown Station, Omaha, Nebraska 68101-0103

U.S. Army Engineer Division, South Atlantic, ATTN: CESAD-PD-R,
Room 313, 77 Forsythe Street, S.W., Atlanta, Georgia 30335-6801



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 1992

MEMORANDUM FOR

COMMANDER, USACE, ATTN: CEMP-ZA, WASH DC 20314-1000
✓ COMMANDER, HUNTSVILLE DIVISION, P.O. BOX 1600, HUNTSVILLE, AL
35807-4301

SUBJECT: DERP-FUDS Inventory Project Report (INPR) for Avon Park
Air Force Range, Avon Park, FL, Site No. I04FL028700

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 4.
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.

ROGER F. YANKOUPE
Brigadier General, USA
Commanding

Encl

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

Avon Park Enc
5



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

log to GA1
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REPLY TO
ATTENTION OF

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

30 September 1992

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

SUBJECT: DERP-FUDS Inventory Project Report (INPR) for Site No.
I04FLO28700 (Avon Park)

1. This INPR provides a DERP-FUDS preliminary assessment of the subject site. A site visit was conducted on 23 April 1992.
2. We have determined that the site was formerly used by the Air Force. Recommended Findings and Determinations of Eligibility is included in the enclosures.
3. We also determined there is a high probability of unexploded ordnance at the site eligible for clean-up under DERP-FUDS. Copies of the INPR need to be forwarded to HND for the PA file and for a determination of the need for further study on the target ranges.
4. I recommend that you approve and sign the Findings and Determination of Eligibility for the enclosed INPR.

FOR THE COMMANDER:

Encl


HAL K. ALGUIRE
MAJ, Corps of Engineers
Deputy Commander

SITE SURVEY SUMMARY SHEET
FOR
DERP-FUDS SITE NO. I04FL028700
AVON PARK, FL
29 MAY 1992

SITE NAMES: Avon Park Army Air Field and Avon Park Bombing Range; Avon Park Air Force Range. There are five sites in Avon Park, Florida. These sites are identified as Area 1, Area 2, Area 3, Area 4, and Area 5.

LOCATION: The Areas 1 and 2 are located adjacent to Lake Arbuckle in Polk County. Area 3 is located west of the Kissimmee River in Highlands County. The majority of Area 4 is situated on the east side of the Kissimmee River, with a portion extending slightly onto the west side. Area 4 is located partly in Okeechobee County and partly in Highlands County. Areas 5 is located east of the Kissimmee River, in Okeechobee County. Area 1 is located approximately eight miles northeast of the city of Avon Park on State Road 64. Area 2 is located less than a mile south of Area 1. Areas 3, 4, and 5 are located approximately thirteen miles east of Area 1. A location map is included in Attachment 1, and a site map is included in Attachment 2.

SITE HISTORY: Between 1942 and 1977, the United States acquired a total of 218,883.88 acres. The areas, shown in Attachment 2, were utilized as a training base for the purpose of training B-17 Aircraft Crews. The structures constructed included bridges, towers, and over 500 buildings. The Department of the Air Force still utilizes 106,112.27 acres. The remaining site was reported excess to the War Assets Administration (WAA) for disposal. The leases covering 111,713 acres were terminated as follows: 897.84 acres were disposed of on 30 June 1946, 52,743.14 acres on 20 November 1946, and 58,072.02 acres on 5 December 1946. Licenses covering 114.13 acres were terminated on 12 July 1963. The remaining 407.74 acres were disposed of by quitclaim deeds between 1961 and 1986 to several private individuals and the Ft. Kissimmee Cemetery Association. Currently, the areas are being utilized for various purposes. As shown in Attachments 2, 4, and 6, some areas are undeveloped, and the current land use on the remaining site includes a state correctional institution and a cemetery.

SITE VISIT: A site visit was conducted on 23 April 1992 by Dr. John Bonds, Dr. Prasad Kuchibhotla, and Mr. Paul Locascio, Environmental Science & Engineering, Inc. (ESE). Subsequent site visits were conducted by Dr. Prasad Kuchibhotla and Mr. Paul Locascio on 24 April and 25 April 1992. During the first day site visit on 23 April, the team met with Mr. K.M. Hulbert (Phone: 813/452-4130, Civil Engineering, Chief of Operations, Avon Park Air Force Range, Avon Park, FL 33825). Mr. Hulbert provided the 1940s site maps for the five areas. In the afternoon, Mr. Hulbert introduced the team to Lieutenant Colonel William P. Moline, USAF. Lieutenant Colonel Moline provided information to aid in locating the former bombing practice areas located in Area 5. Later that day, with the help of site maps provided by Mr. Hulbert, the team identified major areas of concern for the five areas, specifically Area 1 and Area 5.

During the site visit on 24 April 1992, the team visited Area 3 and Area 1. Dr. Bonds accompanied the team on the visit of Area 3. The team drove approximately 13 miles on partially paved road from Avon Park Air Force Base to Site Area 3. Area 3 consists of an old cemetery which is fenced off. No visual signs of soil contamination or stressed vegetation were observed at the site. On return from Area 3, the team spoke to Mr. Hulbert and informed him of plans for the afternoon visit to Area 1.

During the afternoon, the team met with Mr. M. I. Spurlock, Maintenance & Construction Superintendent, Avon Park Correctional Institution. He indicated that on Area 1, an underground diesel tank, located approximately 30 ft from the northwest corner of Building 543 (5,000 gallon capacity) was removed approximately five years ago. According to Mr. Spurlock, this tank was removed by an outside contractor and he indicated that there is documentation of this effort. Although this section of the area currently belongs to the Correctional Institute, it was formerly owned by the Army during 1940s. During the visit to Area 1, the team inspected the former location of the diesel tank. Concrete debris and a concrete foundation, in addition to fuel dispenser pipe projecting from the ground were identified in this area. A diesel-like hydrocarbon odor was detected from the exposed section of the dispenser pipe. This odor was anticipated to be of the residual left in the pipe. Photographs of Area 1 are included in Attachment 7. Mr. Hulbert also indicated that three other underground storage tanks, formerly located approximately 1,600 ft from the southeast corner of Building 543, were recently removed. Per Mr. Hulbert, it is likely that these tanks were installed by the Correctional Institution. The location of former USTs is included in Attachment 4. With the exception of the diesel fuel dispenser pipe located in the vicinity of Building 543, no other contamination or stressed vegetation was observed.

Due to the inaccessibility of Areas 2 and 4, and the size of Area 5 (110,000 acres), an aerial survey using a helicopter was conducted on 25 April 1992. The aerial survey conducted over Areas 2 and 4, and Area 5 lasted for approximately four hours on the morning of 25 April 1992. The aerial survey of Areas 2 and 4 did not indicate the presence of any former Army related structures. In conducting the aerial survey of Area 5, the information from 1940s site drawings obtained from Mr. Hulbert was copied onto the current topographic maps and was used for possible identification during the site flyover. This information is included in Attachment 5. No structures or flight pattern indications from past Army activities were observed.

CATEGORY OF HAZARD: Ordnance and Explosive Waste (OEW).

PROJECT DESCRIPTION: There is one potential project in Area 5.

OEW. Bombing practice sites, gunnery training range, and Chin Turret targets were identified from old maps of Area 5. Confirmation of these areas within Area 5 requires investigation beyond the scope of this preliminary assessment.

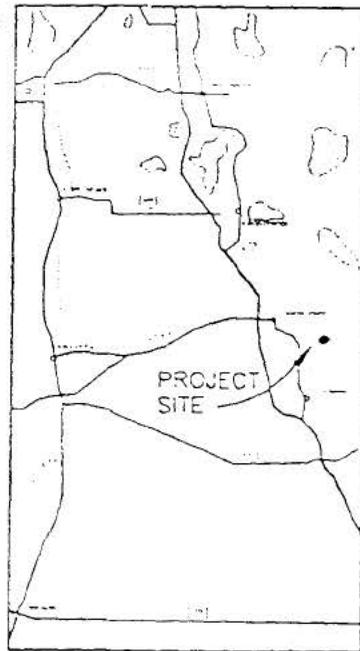
AVAILABLE STUDIES AND REPORTS: None identified.

DISTRICT POC: Ivan Acosta, (904) 232-1693, is the district POC.



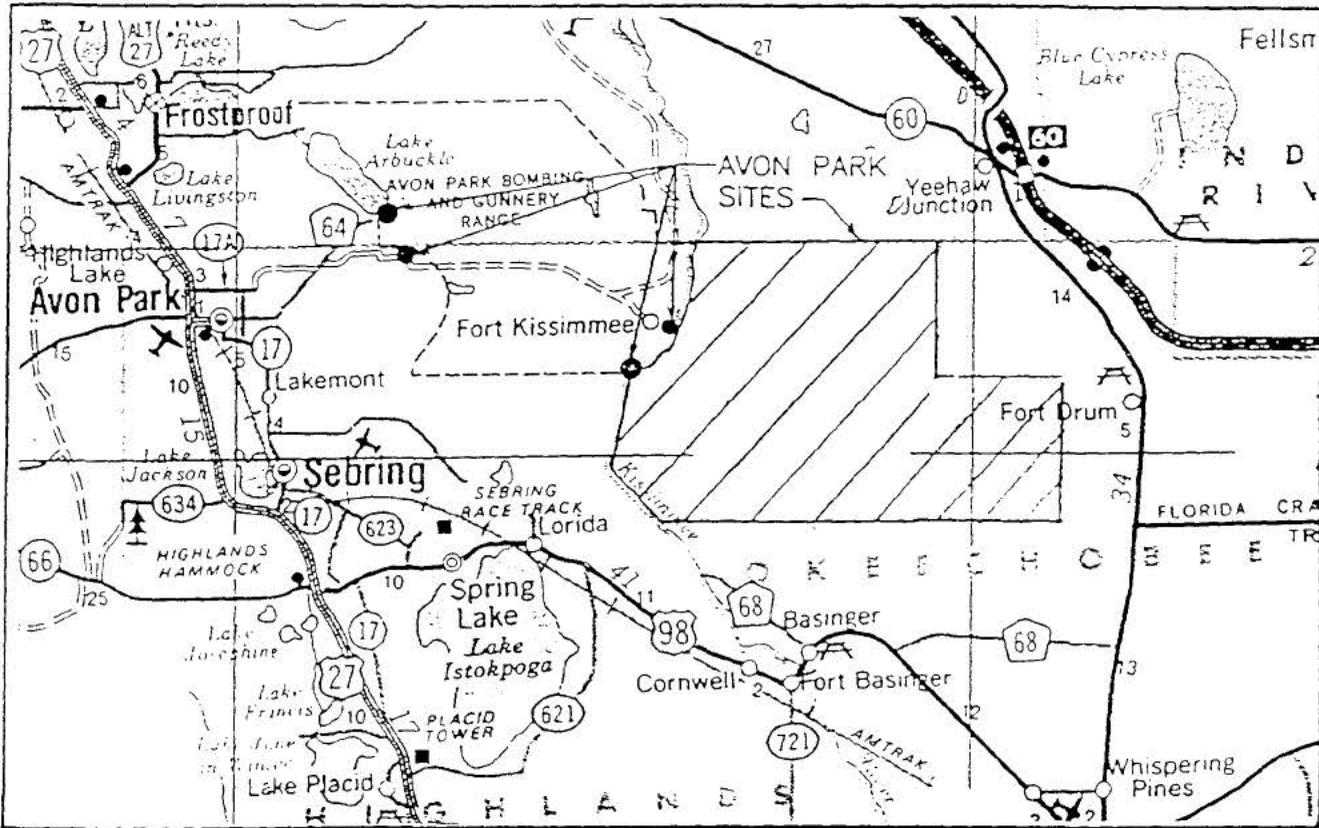
PROJECT AREA

N.T.S.



PROJECT SITE

N.T.S.

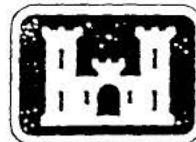


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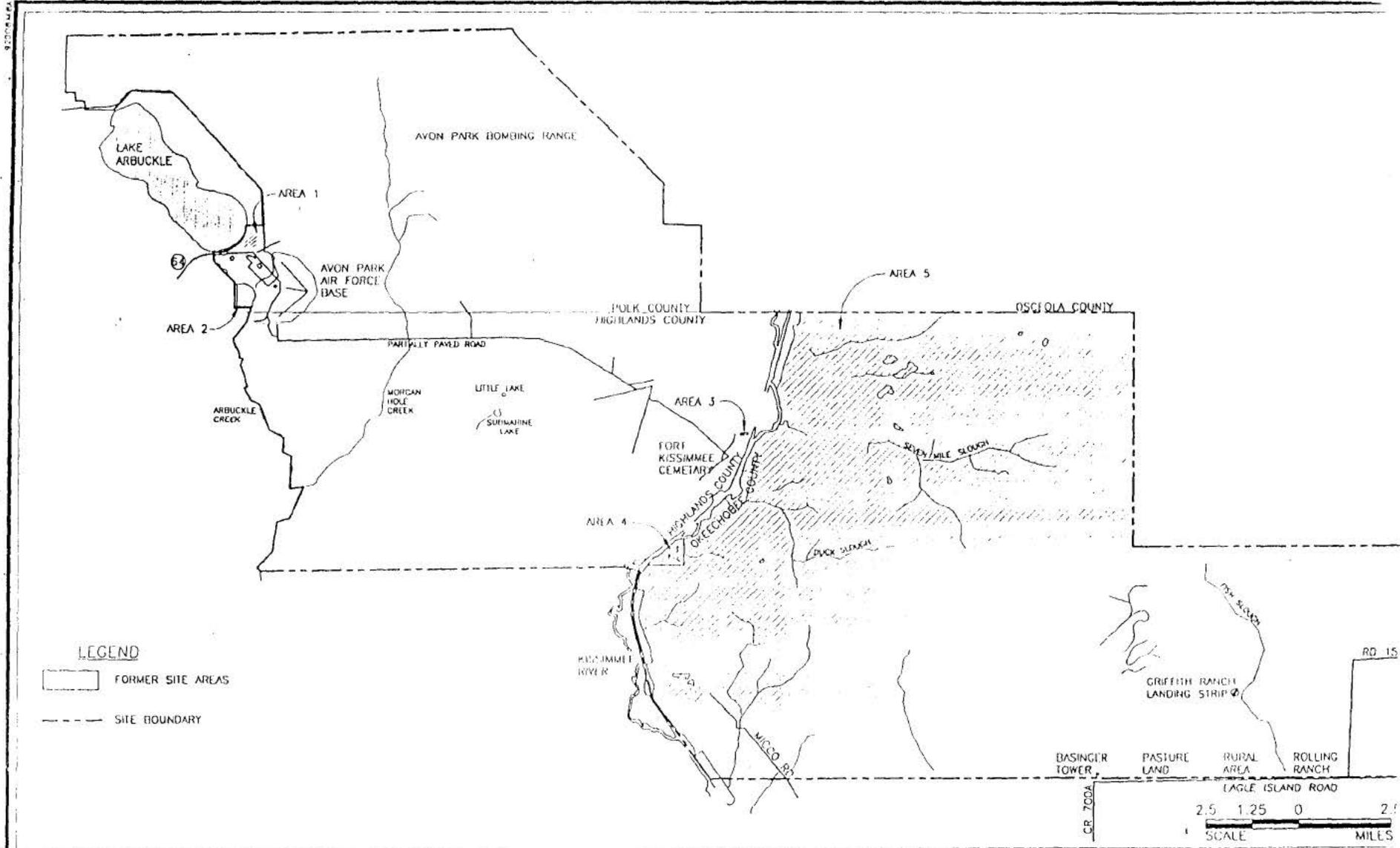
SOURCE: DELORME MAPPING CO.

ATTACHMENT 1
LOCATION MAP,
AVON PARK
U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT

SOURCE: ESE, 1992



US Army Corps
of Engineers

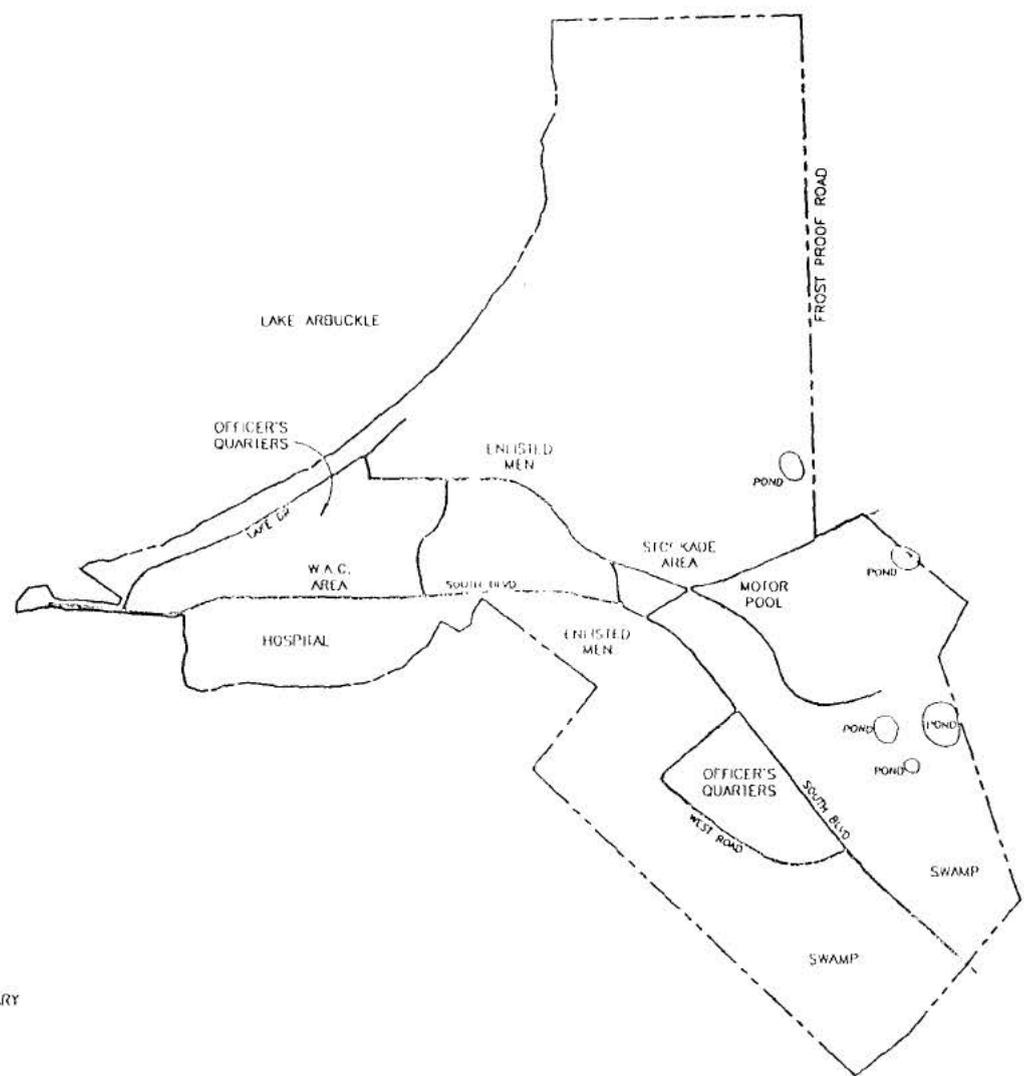


ATTACHMENT 2
 SITE MAP, AVON PARK
 U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT
 SOURCE: ESE, 1992



Aug 24, 1992 - 19:10:15

9200000



LEGEND

--- SITE BOUNDARY



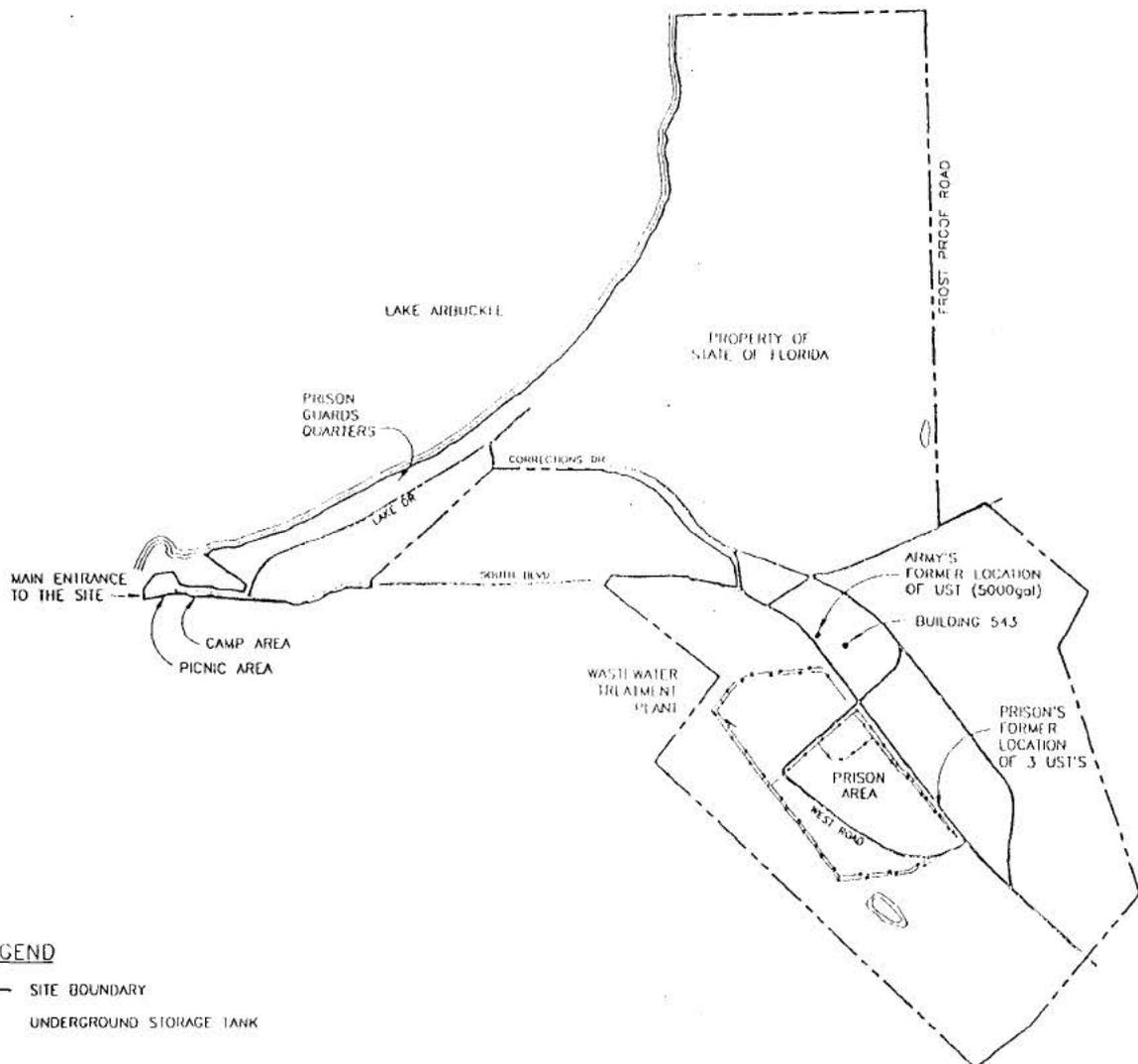
Aug 24, 1992 - 19 13 06

ATTACHMENT 3
 1946 SITE MAP FOR AREA 1, AVON PARK
 U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT

SOURCE: DEPARTMENT OF THE AIR FORCE, 1946

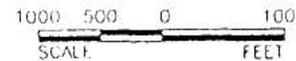


US Army Corps
 of Engineers



LEGEND

- SITE BOUNDARY
- UST UNDERGROUND STORAGE TANK



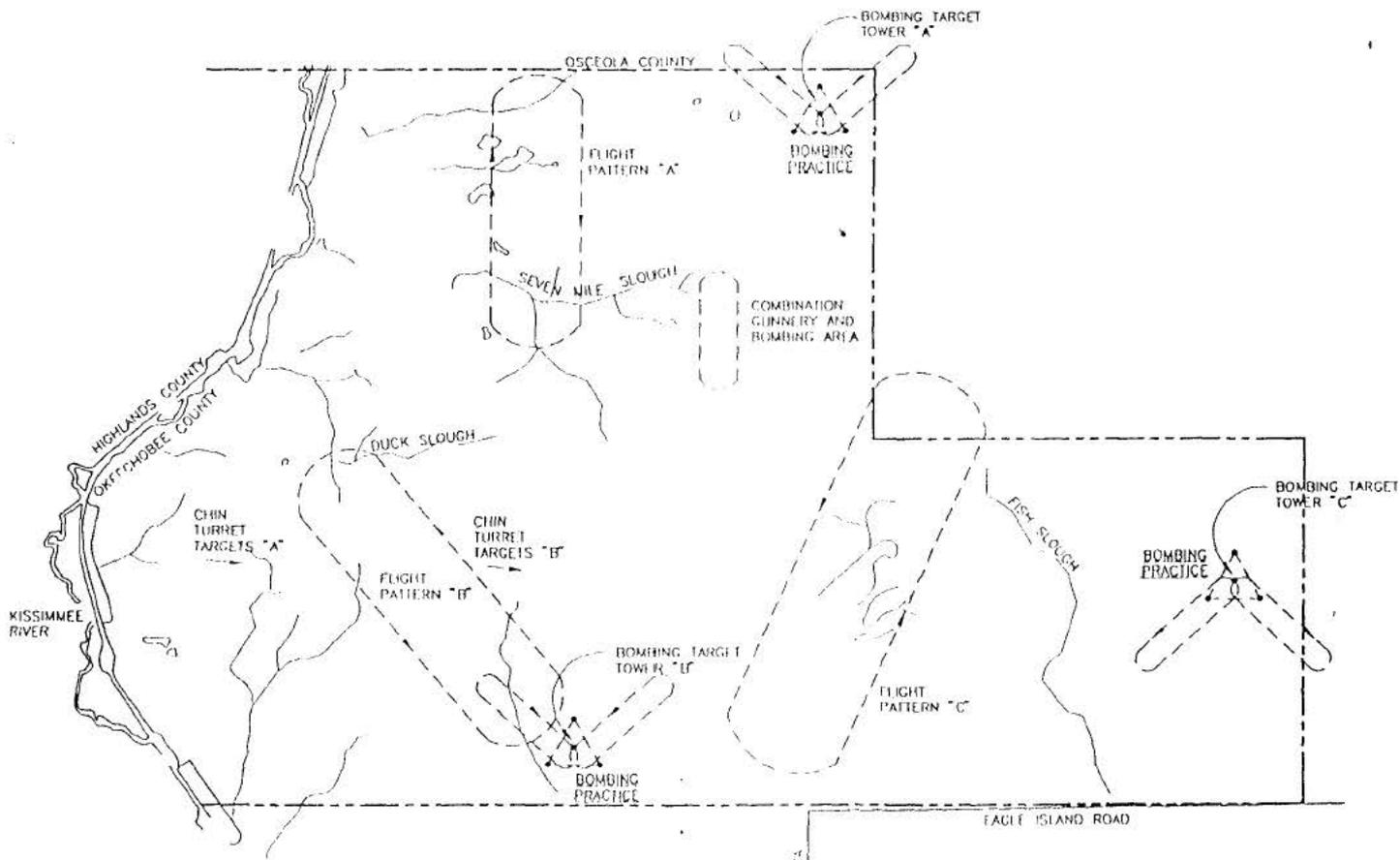
ATTACHMENT 4

EXISTING SITE MAP OF AREA 1, AVON PARK
U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT

SOURCE: ESE, 1992; DEPARTMENT OF THE AIR FORCE, 1977.

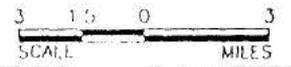


US Army Corps
of Engineers



LEGEND

--- SITE BOUNDARY



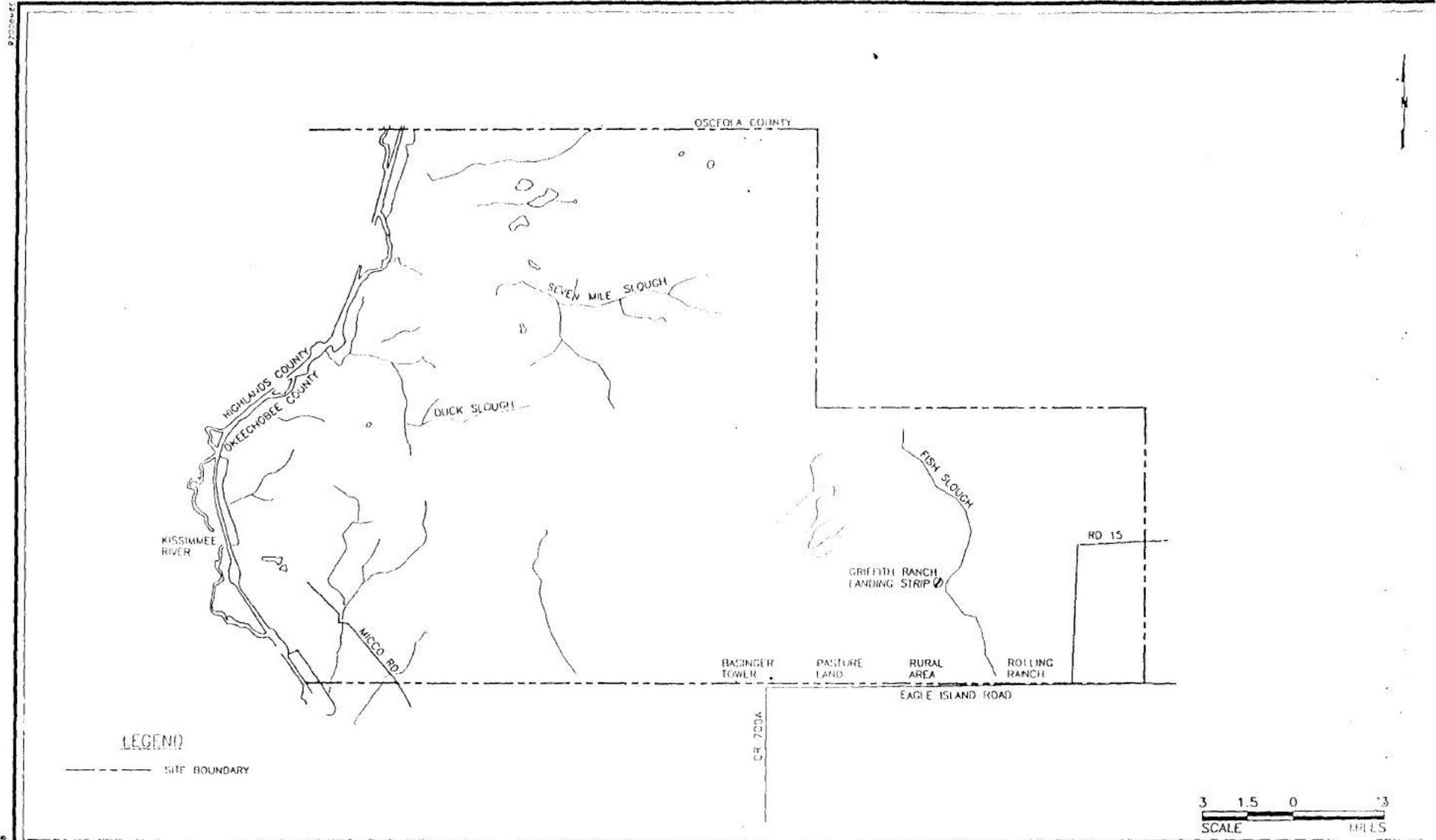
ATTACHMENT 5
 1945 SITE MAP FOR AREA 5, AVON PARK
 U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT

SOURCE: DEPARTMENT OF THE AIR FORCE, 1945



U.S. Army Corps
 of Engineers

Aug 14, 1945 - 19-17-18



LEGEND

----- SITE BOUNDARY

ATTACHMENT 6
 EXISTING SITE MAP FOR AREA 5, AVON PARK
 U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT

SOURCE: EAF, 1997



74, 1992 - 19 19 26

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

Avon Park Air Force Range, FL

Site No. I04FL028700

FINDINGS OF FACT

1. Between 1942 and 1944, the United States (U.S.) acquired 218,881.42 acres of land in Florida for use by the Army Air Corps as a bombing range. The U.S. acquired 107,054.29 acres in fee by purchase and condemnation, 114.13 acres by licenses, and 111,713.00 acres by lease. In 1977, the U.S. acquired an additional 2.46 acres of easement, bringing the total acreage utilized to 218,883.88. The site was partially improved and named the Avon Park Army Air Field and Avon Park Bombing Range, later changed to Avon Park Air Force Range. The site is located in Okeechobee, Highlands and Polk Counties, approximately 10.5 miles southeast of the city of Avon Park, Florida.

2. The site was utilized by the Army Air Corps during World War II as a training base for the purpose of training B-17 Aircraft Crews with air to ground bombing range, and was named Avon Park Army Air Field. In 1947, the base was deactivated and placed in caretaker status. In 1949, the site was transferred to the Air Force and became known as Avon Park Air Force Base. In 1956, the site was renamed Avon Park Air Force Range. Improvements included storm drainage, sanitary sewer, electrical and water systems, roads, bridges, runways, fencing, and over 500 buildings including chapels, administration, dormitories, barracks, recreation, fire stations, mess halls, residences, and other miscellaneous structures. During the period of ownership and control by the Department of Defense, approximately 800.00 acres were outgranted to and utilized first by the Department of Justice as a Federal Prison, (1951 to 1957) and then by the state of Florida for a state correctional institution (1957 to 1966).

3. The Department of the Air Force still utilizes 106,112.27 acres of the site, 106,109.81 acres of the fee lands and 2.46 acres of easement; therefore, this acreage is not eligible for the Defense Environmental Restoration Program - Formerly Used Defense Sites established under 10 USC 2701, et seq. The leases covering 111,713.00 acres were terminated as follows: 30 leaseholds originally acquired by condemnation covering 897.84 acres on 30 June 1946, two leases covering 52,743.14 acres on 20 November 1946, and 110 leases covering 58,072.02 acres on 5 December 1946. Licenses covering 114.13 acres were terminated on 12 July 1963. The terms and conditions of the leases and licenses and the termination notices or if there were any restorations required are unknown as copies of these instruments could not be located. The disposal information was taken from the real estate

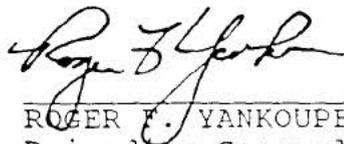
map and audited file. This portion of the site is mainly undeveloped marsh land. In 1957, approximately 400 buildings and structures were disposed of utilizing Air Force and Federal Prison personnel. On 12 August 1959, the Air Force reported 304.00 acres excess to the General Services Administration (GSA). By quitclaim deed dated 6 October 1961, GSA conveyed 304.00 acres to a private individual. This portion of the site is mainly undeveloped. In 1963, the Air Force determined that an existing cemetery site on the Avon Park Air Force Range was surplus to its needs. By quitclaim deed dated 7 July 1965, the Secretary of the Air Force conveyed 3.74 acres to the Ft. Kissimmee Cemetery Association. This portion of the site is still utilized as a cemetery. On 2 December 1966 the Air Force reported 581.60 acres and 104 buildings and structures as excess to GSA and on 2 November 1971, the Air Force withdrew 44.86 acres from excess status and modified the declaration of excess to contain 536.74 acres. Of this 536.74 acres, 126.28 acres together with all improvements were conveyed by quitclaim deed dated 10 October 1969 and correctional quitclaim deed dated 12 February 1970, through the Secretary of Health, Education and Welfare to the state of Florida, for use and benefit of the Avon Park Correctional Institution. The deed retained easements for the benefit of the U.S., restricted the use of the property to educational purposes for a period of 30 years and contained a reverter clause, a recapture clause and a restoration clause. This land is currently utilized as a state correctional institute. The remaining portion of the 536.74 acres (410.46 acres) was conveyed by quitclaim deed dated 6 December 1971 and by correctional quitclaim deed dated 10 February 1975, to the state of Florida, together with all improvements, and including the rights of the U.S. in and to the storm drainage, sanitary sewer, electrical and water systems located on the entire Avon Park Air Force Range. The deed contained no recapture or restoration clauses, but did contain maintenance clauses relating to the utility systems. This portion of the site is part of the correctional facilities. On 2 August 1983, the Air Force reported 100.00 acres excess to GSA. By quitclaim deed dated 17 September 1986, GSA conveyed this 100.00 acres to a private individual. Most of the above properties were conveyed subject to existing easements.

DETERMINATION

Based on the foregoing Findings of Fact, of the Avon Park Air Force Range (112,771.61 acres) 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.

24 Dec 92

DATE



ROGER F. YANKOUBE
Brigadier General, USA
Commanding

PROJECT SUMMARY
FOR
DERP-FUDS OEW PROJECT NO. I04FL028701
AVON PARK I04FL028700
May 29, 1992

PROJECT DESCRIPTION: Ordnance detection and potential removal actions are needed for about six sites in Site Area 5. The sites in question are three former bombing practice areas, one gunnery training range, and two Chin Turret targets. The areas are depicted in Attachment 5. Therefore, an aerial survey using a helicopter, was conducted at these six sites. The potential impact areas are not fenced, and evidence of ordnance could not be determined from the aerial survey. The ranges and bombing areas are remote and not easily accessible by land.

PROJECT ELIGIBILITY: Records and maps indicate that the bombing, gunnery, and chin turret target areas were used by the Air Force in the 1940's. The project has been evaluated in accordance with Appendix A of CEMP-RT memorandum, dated 5 April 1990.

POLICY CONSIDERATIONS: Current Department of Defense (DOD) policy permits remediation of DOD generated ordnance. The Site Area 5 is eligible for DERP-FUDS if they pose a hazard.

PROPOSED ACTIVITIES: In order to determine the likelihood of further ordnance problems and removal of any ordnance detected, it is recommended that a metal sweep of the area be conducted.

RAC: The RAC score is 4 (see attached).

DISTRICT POC: Ivan Acosta, (904) 232-1693.

10 Jul 1992

Previous editions obsolete

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

Site Name AVON PARK
Site Location AVON PARK FL
DERP Project # IO4FLO28701

Rater's Name King
Organization CEHWD-EO-SY
RAC RAC-3
Date 12 Jan 93

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

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

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

B. Pyrotechnics(For munitions not described above.)

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

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

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

D. Propellants

	<u>YES</u> VALUE	<u>NO</u> VALUE	VALUE
Solid or Liquid Propellants	6	0	— <u>C</u>

E. Radiological/Chemical Agent/Weapons

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

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

0

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

14

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

TABLE 1

HAZARD SEVERITY

Description	Category	Value
CATASTROPHIC	I	≥ 21
CRITICAL	II	$\geq 13 < 21$
MARGINAL	III	$\geq 5 < 13$
NEGLIGIBLE	IV	$\geq 1 < 5$
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

	<u>YES</u> VALUE	<u>NO</u> VALUE	VALUE
On the surface	5	0	<u>5</u>
Within Tanks, Pipes, Vessels or Other confined locations.	4	0	—
Inside walls, ceilings, or other parts of Buildings or Structures.	3	0	—
Subsurface	2	0	<u>2</u>
Value for location of UXO. (Maximum Value of 5).			<u>5</u>

B. Distance to nearest inhabited locations or structures likely to be at risk from OEW site (roads, parks, playgrounds, 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	<u>2</u>
Over 2 miles	1

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 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).

1

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).	<u>3</u>

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 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>0</u>

Total value for hazard probability.
 Sum of Values A through F. 16
 (Not to exceed 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 1. 14 D
 part 2. 16 C

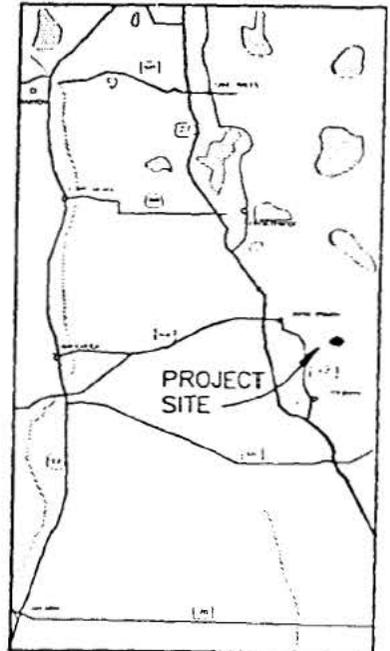
1 COMPONENT	FY 19 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 12 Jan 93		
3 INSTALLATION AND LOCATION AVAON PARK AIR FORCE RANGE AVAON PARK, FLORIDA		4 PROJECT TITLE DERP-FUGS		
5 PROGRAM ELEMENT	6 CATEGORY CODE OEW	7 PROJECT NUMBER I04FL028700/01		
		8 PROJECT COST (\$MM) \$556,500.		
9. COST ESTIMATES				
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.
				3.2
S&A (8%)				3.2
Phase I Total				\$ 43.2
PHASE II				
Work Plan				10.
On-Site Investigation				50.
Surface sampling 100 acres @\$3,000.				300.
Subsurface sampling 10 acres @\$5,000.				50.
Engineering Report				25.
				435.
S&A (8%)				34.8
CEHND QA Management (10%)				43.5
Phase II Total				\$ 513.3
EE/CA Total				\$ 556.5
10. Description of Proposed Construction				
<p>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.</p> <p>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.</p> <p>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.</p> <p>4. This site contains over 218,883 acres.</p>				

1-7

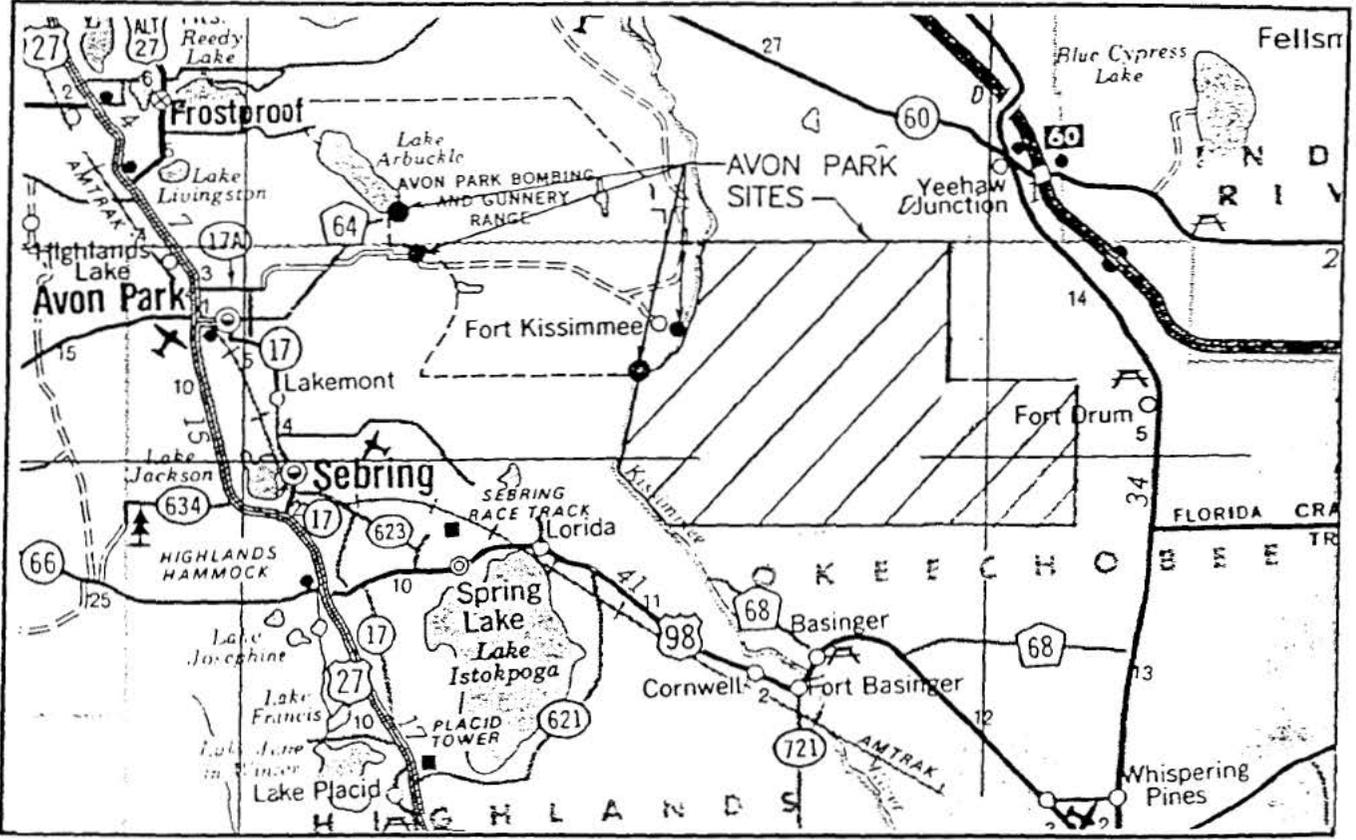
Lead out
MAPS
for your
use
Dany



N.T.S.



N.T.S.



N.T.S.

SOURCE: DELORME MAPPING CO.

ATTACHMENT 1
LOCATION MAP,
AVON PARK
U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT

SOURCE: ESE, 1992



US Army Corps
of Engineers



DEPARTMENT OF THE ARMY

SOUTH ATLANTIC DIVISION, CORPS OF ENGINEERS
ROOM 313, 77 FORSYTH ST., S.W.
ATLANTA, GEORGIA 30335-6801

280
BES
R
M
EK

REPLY TO
ATTENTION OF:

CESAD-PM-H (200-1a)

04 OCT 1993

MEMORANDUM FOR COMMANDER, JACKSONVILLE DISTRICT, ATTN: CESAJ-DP

SUBJECT: Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS), Inventory Project Report (INPR) for Site No. I04FL028700, Avon Park Air Force Range, Avon Park, FL

1. Reference memorandum, CEMP-RF, dated 15 July 1993, subject as above (copy enclosed).
2. Project Management and execution of the remedial action (RA) phase for the ordnance and explosive waste (OEW) project at subject site is assigned to Jacksonville District. Technical management and execution through the design phase has been assigned to CEHND. Jacksonville must ensure that all project management responsibilities and reporting requirements are satisfied, proper coordination is maintained, adequate funds are programmed in the appropriate fiscal year work plan(s), and that the FUDS database is updated.
3. Jacksonville District must notify the landowner(s) of the decision. 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, (404) 331-2495.

FOR THE COMMANDER:

Encl

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

Ms. Ernst/sjd/2495

24 OCT 1993

CESAD-PM-H (200-1a)

MEMORANDUM FOR COMMANDER, JACKSONVILLE DISTRICT, ATTN: CESAJ-DP

SUBJECT: Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS), Inventory Project Report (INPR) for Site No. I04FL028700, Avon Park Air Force Range, Avon Park, FL

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FOR THE COMMANDER:

Encl

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

BCF:

✓ CESAD-PD-R/MAULDIN

RM/10-1
Connell/PM-H

Rushing/PM

MFR: This project assignment letter from HQ was misplaced, and this is the reason for tardy transmittal to JAX.

R. Connell