



**DEPARTMENT OF THE ARMY**  
**SOUTH ATLANTIC DIVISION, CORPS OF ENGINEERS**  
 ROOM 9M15, 60 FORSYTH ST., S.W.  
 ATLANTA, GEORGIA 30303-8801

*Bridges*  
*10/10*  
*DP/DA*  
*of: PAFEE*  
*EN-602*  
*RE-M*  
*3-25-03 ak*  
*4/10/03 Benedict Field OEW/NPP -*  
*APPEND - LTR 3-25-03 ak*  
*logged 3-25-03 ak*  
*request to RE-M for property*  
*budget numbers for 2003*  
**18 March 2003** *3-25-03 ak*  
*input to...*

REPLY TO  
 ATTENTION OF

CESAD-MT (415-10e)

✓ MEMORANDUM FOR COMMANDER, JACKSONVILLE DISTRICT (CESAJ-DP-S/Mr. J. Boone)

SUBJECT: Approval of Revised Ordnance and Explosives (OE) Risk Assessment Code (RAC) Based on Reevaluation of Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Inventory Project Report (INPR) for Project No. I02VI056401, Benedict Field, Benedict Field, St. Croix, VI

1. Reference enclosed memorandum, CEHNC-OE-CX, 30 January 2003, subject: DERP-FUDS Inventory Project Report (INPR) for Site No. I02VI056400, Benedict Field, Benedict Field, St. Croix, VI.
2. Based on a reevaluation of subject project INPR, HNC has revised the risk assessment code (RAC) form and estimated the cost to complete (CTC). Concur with the RAC score of 4 and the recommendations detailed in the referenced memorandum. Accordingly, an OE project is approved.
3. Overall project management of this property is the responsibility of Jacksonville District.
4. Request that the project manager, in coordination with CEHNC technical managers, update the DERP-FUDS database (FUDSMIS) to reflect this approval, the recommendation for RAC, the CTC information provided, schedule and fund an Archive Search Report (ASR), and include this project in the appropriate DERP-FUDS annual work plans. Technical managers must keep the project manager informed of all activities concerning subject project. Please initiate and maintain files for subject project and property to satisfy the administrative record requirements of the National Contingency Plan. Request Jacksonville District notify and coordinate with current landowners and regulators as described in the DERP-FUDS Program Manual, ER 200-3-1 and Business Plan.
5. Questions concerning this should be directed to South Atlantic Division DERP-FUDS Program Manager, Sharon Taylor, CESAD-MT, (404) 562-5212.

FOR THE DIRECTOR OF MILITARY TECHNICAL SERVICES:

SHARON L. M-Taylor, P.E.  
 SAD DERP-FUDS Program Manager

Encl

CF (w/encl):  
 COMMANDER, HQ USACE (CEMP-RF) WASHINGTON, DC 20314-1000  
 COMMANDER, HUNTSVILLE CENTER, CORPS of ENGINEERS, P.O. BOX 1600,  
 HUNTSVILLE, AL, 35807-4301

200.1e  
 I02VI056401\_01.08\_0002



*Rec'd. DP-S 3-20-03 ak*

21M 8 NOV 90  
11/9

CESAD-PD-R (200)

9 NOV 1990

MEMORANDUM FOR CDR, USACE, ATTN: CEMP-R, WASH, DC 20314-1000

SUBJECT: Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS), Inventory Project Reports

1. The following "no further action" (NOFA) DERP Inventory Project Reports are enclosed for your information and files:

- ✓ a. Fort Caswell, Site No. I04NC079500.
- ✓ b. Danville Auxiliary Field No. 1, Site No. I04AL011400.
- ✓ c. U.S. Army Reserve Center, Charlotte, Site No. I02VI056500.
- ✓ d. Benedict Field, Site No. I02VI056400.
- ✓ e. Pinellas Army Airfield, Site No. I04FL020200.
- ✓ f. Saint George Island Bombing Range, Site No. I04FL006400.
- ✓ g. Nike HM-12, Site No. I04FL008900.
- ✓ h. Nike HM-39, Site No. I04FL008700.
- ✓ i. Nike HM-84, Site No. I04FL009000.
- ✓ j. Bonita Springs Radio Relay Annes No. 5, Site No. I04FL029800.
- ✓ k. Clermont Aircraft Watch Site No. 71, Site No. I04FL029700.

Copies of these reports are concurrently being sent to CEHND-ED-PM and the appropriate district. In accordance with current guidance, the district will initiate the process of notifying current landowners of the NOFA determination by letter in 30 days from the date of this memorandum.

2. Any questions should be directed to Mr. Gary Mauldin at (404) 331-6043.

FOR THE COMMANDER:

11 Encls

JOHN W. RUSHING  
Director of Planning

*DWR*  
Barnett/PD-R

- BCF:
- CEHND-ED-PM (w/encls)
- CESAW-PD-E (w/encl a)
- CESAM-PD-E (w/encl b)
- CESAJ-PD-E (w/encls c-k)

*RM*  
 Cowan/PD-S  
 Akers/EN/PP-H  
 Rushing/PD  
 11/9



REPLY TO  
ATTENTION OF:  
CEHNC-OE-CX

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

30 January 2003

MEMORANDUM FOR Commander, U.S. Army Engineer Division,  
South Atlantic, ATTN: CESAD-MT-M (Sharon Taylor), Room 9M15,  
60 Forsyth Street, SW, Atlanta, GA 30303-8801

SUBJECT: DERP-FUDS Inventory Project Report (INPR) for Site No.  
I02VI056400, Benedict Field, Benedict Field, St. Croix, VI

1. Previous review was made on subject site and a Risk assessment Code (RAC) score of 5 was decided. The limited research of the INPR failed to provide sufficient historical information regarding ordnance and explosives presence (practice bombs) at this site. We have reevaluated this INPR for accuracy in accordance with current policy. Based on this reevaluation, we recommend a more extensive research be accomplished by completing an Archives Search Report for the following:

DISTRICT	PROJECT NO.	RAC	SITE NAME
SAJ	I02VI056401	4	Benedict Field

2. A copy of the revised RAC form (enclosure 1), a Project Summary Sheet (enclosure 2), and a cost-to-complete (enclosure 3) is enclosed. Please provide us with a copy of the project approval memorandum.

3. The point of contact is Ms. Carrie Douglas at 256-895-1465.

FOR THE DIRECTOR OF ORDNANCE  
AND EXPLOSIVES:

3 Encls

*Carrie W. Douglas*  
CARRIE W. DOUGLAS

Inventory Project Report Manager  
for Directorate of Ordnance and  
Explosives

CEHNC-OE-CX

30 January 2003

SUBJECT: DERP-FUDS Inventory Project Report (INPR) for Site No.  
I02VI056400, Benedict Field, St. Croix, VI

CF:

Commander, U.S. Army Engineer District, Jacksonville, ATTN:  
CESAJ-PD-S (Robert Bridgers), P.O. Box 4970, Jacksonville, FL  
32232-0019

Commander, HQUSACE, ATTN: CEMP-RF (Julie Kaiser), 441 G Street,  
NW, Washington, DC 20314-1000



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)

1 August 1990

MEMORANDUM FOR Commander, South Atlantic Division

SUBJECT: DERP-FUDS Inventory Project Reports (INPR's)

1. Reference your memorandum of 26 October 1989, DERP-FUDS for Negative Findings and Determination of Eligibility (FDE's).
2. Questions about the following FDE's have been addressed and the appropriate revisions made:
  - a. Alexander Hamilton Airport (formerly Benedict Field), Project No. I02VI056400.
  - b. College of the Virgin Islands (formerly U.S. Army Reserve Center, Charlotte), Project No. I02VI056500.
3. These INPR's report on the DERP-FUDS preliminary assessment of the above sites and have been revised into the new INPR format. The site survey summary sheets and site maps are enclosed.
4. We have determined that these sites were formerly used by the Department of Defense, however there were no eligible hazards found at the sites.
5. I recommend that you approve and sign the enclosed FDE's.
6. Also enclosed is a floppy disk containing the site survey summary sheets and FDE's in ASCII format. Point of contact is Russ Jones, (904) 791-2168 or FTS 946-2168.

2 Encls

  
BRUCE A. MALSON  
Colonel, Corps of Engineers  
Commanding

SITE SURVEY SUMMARY SHEET  
FOR  
DERP-FUDS SITE NO. I02VI056400  
ALEXANDER HAMILTON AIRPORT, ST. CROIX

SITE NAME: Alexander Hamilton Airport, formerly Benedict Field.

LOCATION: St. Croix, U.S. Virgin Islands; see attached site location maps.

SITE HISTORY: United States use began in 1940 with the acquisition of 2,633 acres. The Army Air Force built the runways and numerous facilities between 1940- 1947. The site was declared excess in 1947. Most of the site was transferred by the Federal Farm Mortgage Corporation to the Municipality of Saint Croix in 1948 for use as an airport.

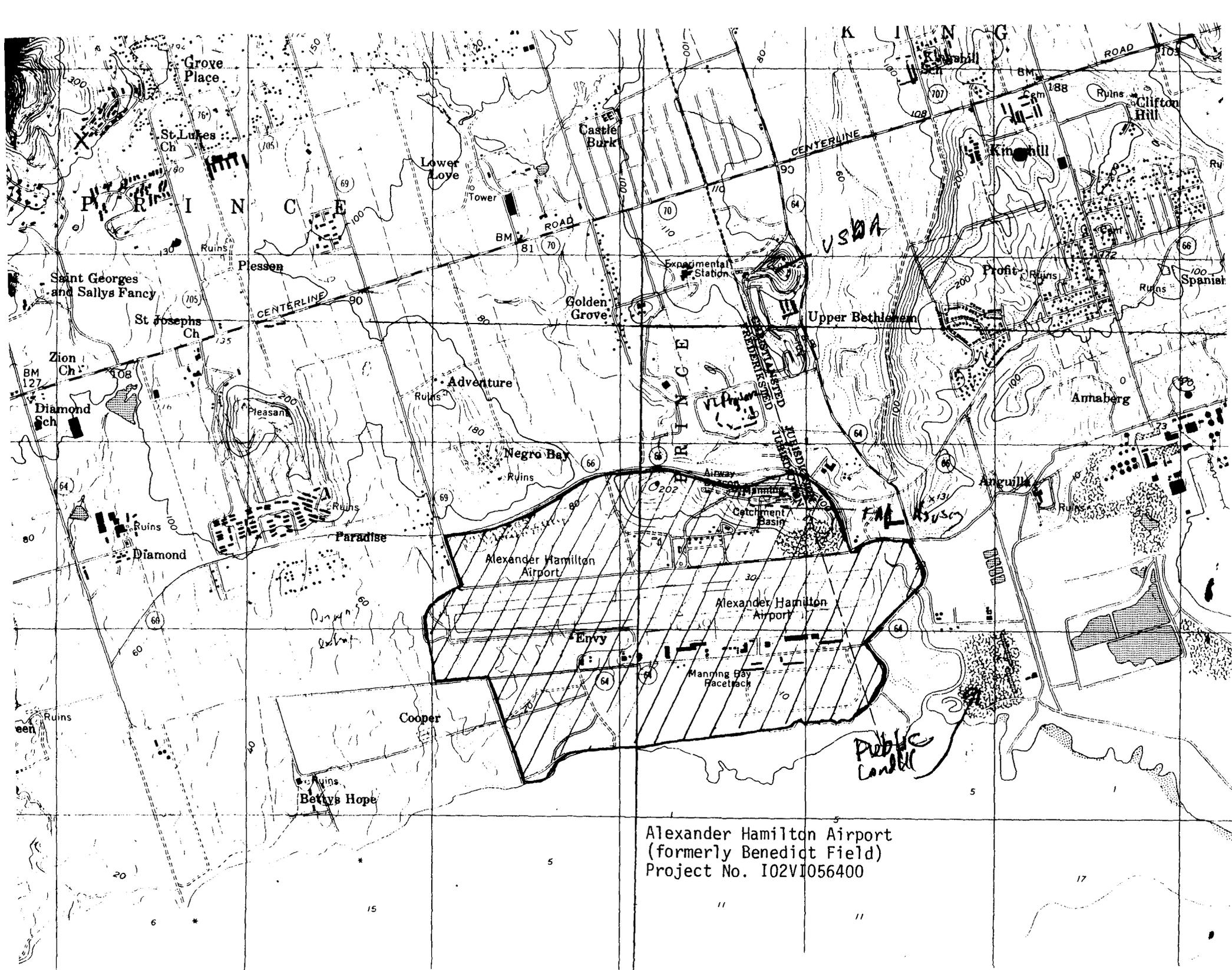
SITE VISIT: A site visit was conducted 11-12 July 1990 by James McAdams, CESAJ-PD-EE. Discussions were held with the airport manager, Glenwood C. Bough, and assistant executive director David M. Mapp. They stated that there were no underground storage tanks remaining on the site. Two small 10,000 gal. UST's had been excavated about a year and a half before and had been transported away from the site. Those tanks had been used to store water for the runways and taxiways for some time after excavation and apparently had no leaks. Those tanks had not been eligible at the time for DERP funding. No debris was eligible for DERP funding although many of the buildings remaining were from former War Department use.

CATEGORY OF HAZARD: None.

PROJECT DESCRIPTION: None.

AVAILABLE STUDIES AND REPORTS: None.

PA POC: Jim McAdams, (904) 791-2117, is the District POC.



Alexander Hamilton Airport  
 (formerly Benedict Field)  
 Project No. I02VI056400

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

ALEXANDER HAMILTON AIRPORT  
(BENEDICT FIELD)  
ST. CROIX, U.S. VIRGIN ISLANDS

SITE NO. I02VI056400

FINDINGS OF FACT

1. Between 1940 and 1943, the United States of America acquired fee title to 2633.42 acres for the establishment of Benedict Field. The Department of the Interior transferred 692.8 acres to the War Department and the remaining 1940.62 acres were acquired by condemnation.
2. The Caribbean Air Command of the Army Air Force utilized Benedict Field from 1940 until 1947. The Army Air Force constructed an airport facility with runways and runway facilities, housing units, warehouses, hangars, administration building, and underground fuel and water storage tanks.
3. On 30 December 1943, the Army Air Force retransferred 52 acres to the Department of the Interior. After WWII the remainder of Benedict Field was declared excess. On 12 September 1947, the Army Air Force retransferred 427.08 acres to the Department of the Interior. Accountability for 1373.02 acres was assumed by the Department of Interior in 1947. Accountability for the remaining 781.32 acres was assumed by the Farm Credit Administration on 5 May 1947. The Municipality of Saint Croix, Virgin Islands was conveyed 2154.33 acres by Quitclaim Deed from the USA through the Federal Farm Mortgage Corporation dated 22 November 1948, to be utilized for airport purposes. The deed contained restrictions including the right of exclusive use during any national emergency with a right of reentry and reverter for breach of restrictions. The remainder of Benedict Field was disposed of to various entities and now has private businesses, a highway, and a prison on the property.

DETERMINATION

Based on the foregoing findings of fact, the site has been determined to be formerly used by DOD. It is therefore eligible for the Defense Environmental Restoration Program - Formerly Used Defense Sites established under 10 U.S.C. 2701 et seq.

27 Nov 96  
DATE

  
JOHN F. SOBKE  
Major General, USA  
Commanding  
South Atlantic Division,  
Corps of Engineers

**PROJECT SUMMARY SHEET**  
**FOR**  
**DERP-FUDS OE PROJECT I02VI056401**  
**BENEDICT FIELD (ALEXANDER HAMILTON AIRPORT)**  
**30 JANUARY 2003**

**PROJECT DESCRIPTION:** The Caribbean Air Command of the Army Air Force utilized Benedict Field from 1940 until 1947. The Army Air Force constructed an airport facility with runways and runway facilities, housing units, warehouses, hangars, administration building, and underground fuel and water storage tanks.

**PROJECT ELIGIBILITY:** Records indicate that the US Army Air Corps used the site for an airfield. Any ordnance presence at the site is the result of DOD activities and is, therefore, eligible for removal under DERP-FUDS.

**POLICY CONSIDERATIONS:** The site may have been contaminated by the United States military and is a possible danger to the public. Currently, DOD policy permits remediation of DOD-generated ordnance.

**PROPOSED PROJECT:** The Inventory Project Report should be referred to the Huntsville Center OE-MCX for a determination of further action.

**RISK ASSESSMENT CODE (RAC):** Attached. The RAC score for this site is 4, indicating the site warrants further action.

**JACKSONVILLE DISTRICT POC:** Robert Bridgers, 904-232-3085

RISK ASSESSMENT PROCEDURES FOR  
ORDNANCE AND EXPLOSIVES (OE) SITES

Site Name Benedict Field  
 Site Location St. Croix, VI  
 DERP Project # I02VI056400  
 Date Completed 14 January 2003

Rater's Name Richard L. Pike, QASAS  
 Phone No (256) 895-1559  
 Organization CEHNC-OE-CX  
 RAC Score 4

OE RISK ASSESSMENT:

This risk assessment procedure was developed in accordance with MIL-STD 882C and AR 385-10. The Risk Assessment Code (RAC) score will be used by the U.S. Army Engineering and Support Center, Huntsville (USAESCH), Ordnance and Explosives Team (USAESCH-OE) to prioritize the remedial action(s) at Formerly Used Defense Sites. The UXO risk assessment should be based on the best available information resulting from records searches, reports of Explosive Ordnance Disposal (EOD) detachment actions, field observations, interviews, and measurements. This information is used to assess the risk involved based upon the potential OE hazards identified at the site. The risk assessment is composed of two factors, hazard severity and hazard probability. Personnel involved in visits to potential OE sites should view the USAESCH-OE videotape entitled "A Life Threatening Encounter: OEW."

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

TYPE OF ORDNANCE: (Circle all that apply) VALUE

A.	Conventional ordnance and ammunition	
	Medium/Large caliber (20 mm and larger)	10
	Bombs, explosive	10
	Grenades, hand and rifle, explosive	10
	Landmines, explosive	10
	Rockets, guided missiles, explosive	10
	Detonators, blasting caps, fuzes, boosters, bursters	6
	<b>Bombs, practice (w/spotting charges)</b>	<b>6</b>
	Grenades, practice (w/spotting charges)	4
	Landmines, practice (w/spotting charges)	4
	Small Arms (.22 cal - .50 cal)	1
	Small Arms, expended	0
	Practice ordnance (w/o spotting charges)	0

Conventional ordnance and ammunition (largest single value) 6

What evidence do you have regarding conventional unexploded ordnance? The Caribbean Air Command of the Army Air Force utilized Benedict Field from 1940 to 1947. Practice bombs may have been stored on site.

*Emch 1*

B.	Pyrotechnics (For munitions not described above):	VALUE
	Munition (Container) containing White Phosphorus (WP) or other pyrophoric material (i.e., spontaneously flammable)	10
	Munition containing a flame or incendiary material (i.e., Napalm, Triethylaluminum metal incendiaries)	6
	Flares, Signals, Simulators, Screening Smokes (other than WP)	4
	Pyrotechnics (Select the largest single value)	<u>0</u>
	What evidence do you have regarding pyrotechnics? <u>None</u>	

C.	Bulk High Explosives (HE) (not an integral part of conventional ordnance; uncontainerized):	VALUE
	Primary or initiating explosives (Lead Styphnate, Lead Azide, Nitroglycerin, Mercury Azide, Mercury Fulminate, Tetracene, etc.)	10
	Demolition charges	10
	Secondary explosives (PETN, Compositions A, B, C, Tetryl, TNT, RDX, HMX, HBX, Black Powder, etc.)	8
	Military dynamite	6
	Less sensitive explosives (Ammonium Nitrate, Explosive D, etc.)	3
	High Explosives (Select the largest single value)	<u>0</u>
	What evidence do you have regarding bulk explosives? <u>None</u>	

D.	Bulk Propellants (Not an integral part of rockets, guided missiles, or other conventional ordnance; uncontainerized)	VALUE
	Solid or liquid propellants	6
	Propellants	<u>0</u>
	What evidence do you have regarding bulk propellants? <u>None</u>	

E.	Chemical Warfare Materiel (CWM): and Radiological Weapons	VALUE
	Toxic Chemical Agents (choking, nerve, blood, blister)	25
	War Gas Identification Sets	20
	Radiological	15
	Riot Control Agents (Vomiting, Tear)	5
	Chemical and Radiological (Select the largest single value)	<u>0</u>

What evidence do you have of chemical/radiological OE? None

---



---

TOTAL HAZARD SEVERITY VALUE (Sum of value A through E (maximum of 61)) 6  
 Apply this value to Table 1 to determine Hazard Severity Category.

TABLE 1  
HAZARD SEVERITY\*

<u>Description</u>	<u>Category</u>	<u>Hazard Severity Value</u>
CATASTROPHIC	I	21 and greater
CRITICAL	II	10 to 20
<b>MARGINAL</b>	<b>III</b>	<b>5 to 9</b>
NEGLIGIBLE	IV	1 to 4
<b>**NONE</b>		0

\* Apply Hazard Severity Category to Table 3.

\*\*If Hazard Severity Value is 0, you do not need to complete Part II of this form. Proceed to Part III and use a RAC Score of 5 to determine your appropriate action.

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 Department of Defense (DoD) site.

AREA, EXTENT, ACCESSIBILITY OF OE HAZARD (Circle all that apply) VALUE

A. Locations of OE hazards:

On the surface 5

Within tanks, pipes, vessels or other confined locations 4

Inside walls, ceilings, or other buildings/structures 3

**Subsurface** 2

Location (Select the single largest value) 2

What evidence do you have regarding location of OE? Practice bomb spotting charges may have been buried on site.

B. Distance to nearest inhabited locations/structures likely to be at risk from OE hazard (road, park, playground, building, etc.) 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 (Select the single largest value) 5

What are the nearest inhabited structures? There is a racetrack and an airport on the site.

C. Number of buildings within a 2-mile radius measured from the OE hazard area, not the installation boundary: VALUE

26 and over 5

16 to 25 4

**11 to 15** 3

6 to 10 2

1 to 5 1

0 0

Number of Buildings (Select the single largest value) 3

Narrative. Racetrack and airport buildings.

D.	Types of Buildings (within a 2 mile radius)	VALUE
	<b>Educational, child care, residential, hospitals, hotels, commercial, shopping centers</b>	<b>5</b>
	Industrial, warehouse, etc.	4
	Agricultural, forestry, etc.	3
	Detention, correctional	2
	No buildings	0
	Types of buildings (select the largest single value)	<u>5</u>

Describe the types of buildings: Commercial.

E.	Accessibility to site refers to access by humans to ordnance and explosives. Use the following guidance:	VALUE
	<b>No barrier nor security system</b>	<b>5</b>
	Barrier is incomplete (e.g., in disrepair or does not completely surround the site). Barrier is intended to deny egress from the site, as for a barbed wire fence for grazing.	4
	A barrier, (any kind of fence in good repair) but no separate means to control entry. Barrier is intended to deny access to the site.	3
	Security guard, but no barrier	2
	Isolated site	1
	A 24-hour surveillance system (e.g., television monitoring or surveillance by guards or facility personnel continuously monitors and controls entry; or, an artificial or natural barrier (e.g., fence combined with a cliff), which completely surrounds the area; and, a means to control entry at all times through the gates or other entrances (e.g., an attendant, television monitors, locked entrances, or controlled roadway access to the facility).	0
	Accessibility (Select the single largest value)	<u>5</u>

Describe the site accessibility. Racetrack and airport open to public.

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
	Expected	5
	<b>None Anticipated</b>	<b>0</b>
	Site Dynamics (Select largest value)	<u>0</u>
	Describe the site dynamics. <u>None.</u>	

TOTAL HAZARD PROBABILITY VALUE 20  
(Sum of Largest Values for A through F (Maximum of 30))

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

TABLE 2  
HAZARD PROBABILITY\*

<u>DESCRIPTION</u>	<u>LEVEL</u>	<u>HAZARD PROBABILITY VALUE</u>
FREQUENT	A	27 or greater
PROBABLE	B	21 to 26
<b>OCCASIONAL</b>	<b>C</b>	<b>15 to 20</b>
REMOTE	D	8 to 14
IMPROBABLE	E	less than 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. Enter 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 Expedite INPR, recommending further action by CEHNC - Immediately call USAESCH-OE-S (commercial 256-895-1582/1598).

RAC 2 High priority on completion of INPR - Recommend further action by USAESCH.

RAC 3 Complete INPR - Recommend further action by USAESCH.

**RAC 4 Complete INPR - Recommend further action by USAESCH.**

RAC 5 Usually indicates that No DoD Action Indicated (NDAI) is necessary. Submit NDAI and RAC to USAESCH.

Part IV. Narrative. Summarize the documented evidence that supports this risk assessment. If no documented evidence was available, explain all the assumptions that you made. \_\_\_\_\_

The Caribbean Air Command of the Army Air Force utilized Benedict Field from 1940 to 1947. Practice bombs may have been stored and spotting charges may have been buried on site. The limited research of the INPR failed to provide sufficient historical information regarding OE at this site. Recommend a more extensive research be accomplished by completing and ASR.