



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

Budger
Why

REPLY TO
 ATTENTION OF

CESAD-MT-M (415-10e)

30 July 2003

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

SUBJECT: Approval of Ordnance and Explosives (OE) Project and Revised 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. I04FL006301, Fort Pickens, FL

1. Reference enclosed memorandum, CEHNC-OE-CX, 18 March 2003, subject: DERP-FUDS Inventory Project Report (INPR) for Site No. I04FL006300, Fort Pickens, FL.
2. Based on a reevaluation of subject project Inventory Project Report (INPR), HNC has revised the risk assessment code (RAC) form and estimated the cost to complete (CTC). Concur with the RAC score of 2 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. Request Jacksonville District initiate more extensive research for this site.
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, 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 interim DERP-FUDS Program Manual, EC 200-3-7 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:

Encl

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

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
 I04FL006301_01.08_0006



logged FUDSMIS - 9-9-03 al
Rec'd: DPS 8-19-03 al



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

REPLY TO
ATTENTION OF:

CEHNC-OE-CX

18 March 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.
I04FL006300, Fort Pickens, FL

1. Previous review was made on subject site and a Risk Assessment Code (RAC) score of 5 was decided. We have reevaluated this INPR for accuracy in accordance with current policy. The INPR states that Fort Pickens was built between 1829-1834 to guard Santa Rosa Island and the entrance to the harbor. For 110 years Fort Pickens and the surrounding area was part of the Fort Barrancas Army Post. Ft. Pickens consisted of approximately 9,905.54 acres and was declared surplus at the end of World War II. The site is currently a part of the Gulf Islands National Seashore. Coastal gun ammunition was received, stored and utilized on this site and some could remain. Based upon this information, we recommend a more extensive research be accomplished for the following:

| DISTRICT | PROJECT NO. | RAC | SITE NAME |
|----------|-------------|-----|--------------|
| SAJ | I04FL006301 | 2 | Fort Pickens |

2. A copy of the INPR (enclosure 1), an OE Project Summary Sheet (enclosure 2), a revised RAC form (enclosure 3), and a cost-to-complete (enclosure 4) is enclosed. Please provide us with a copy of the project approval memorandum.

CEHNC-OE-CX

18 March 2003

SUBJECT: DERP-FUDS Inventory Project Report (INPR) for Site No. I04FL006300, Fort Pickens, FL

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

FOR THE DIRECTOR OF ORDNANCE
AND EXPLOSIVES:

4 Encls

Carrie W. Douglas
CARRIE W. DOUGLAS

Inventory Project Report Manager
for Directorate of Ordnance and
Explosives

CF:

Commander, U.S. Army Engineer District, Jacksonville, ATTN:
CESAJ-DP-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

SOUTH ATLANTIC DIVISION, CORPS OF ENGINEERS

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

ATLANTA, GEORGIA 30335-6801

RECEIVED

1991 NOV 22 AM 8:31

US ARMY ENGR DIV, MONTSVILLE

15 NOV 1991

REPLY TO
ATTENTION OF:

CESAD-PD-R (200)

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

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

1. The "no further action" INPR's for Fort Barrancas, Site No. I04FL006500; Ft. Pickens, Site No. I04FL006300; Moreno Point, Site No. I04FL006200; and Page Field, Site No. I04FL008400 have been signed and are enclosed for your file.
2. These sites were evaluated and determined to be eligible for the DERP-FUDS program, but no unsafe debris, hazardous/toxic waste, containerized hazardous/toxic waste, or ordnance/explosive waste problems resulting from Department of Defense use were found.
3. Copies of these reports are concurrently being sent to CEHND-ED-PM and CESAJ-PD-EE. In accordance with current guidance, the District will initiate the process of notifying the current owners of the "no further action" determination by letter thirty days from the date of this memorandum.
4. The Division focal point is Gary Mauldin, CESAD-PD-R, at COMM 404-331-6043 or FTS 841-6043.

Encl

John F. Sobke
 JOHN F. SOBKE
 Major General, USA
 Commanding

CF (w/encl):
 ✓ CEHND-ED-PM
 CESAJ-PD-EE

ENCL 1



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

REPLY TO
ATTENTION OF

CESAJ-PD-EE

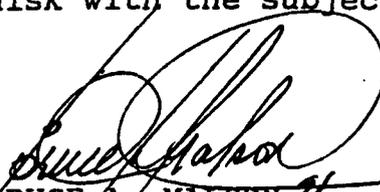
6 August 1991

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

SUBJECT: DERP-FUDS Inventory Project Reports (INPR) for Site Nos. I04FL006500 (Fort Barrancas), I04FL006300 (Fort Pickens), I04FL006200 (Moreno Point Reservation), and I04FL008400 (Page Field Military Reservation).

1. These INPR's report on the DERP-FUDS preliminary assessment of the subject sites. Site visits were conducted on 24-25 September 1990, 10-11 October 1990, 10-11 October 1990, and 28-29 November 1990, respectively.
2. We have determined that the sites were used by the Army and/or the Navy. Recommended Findings and Determinations of Eligibility are included in the enclosures.
3. We also determined that no hazards eligible for DERP restorations are present at the sites in question.
4. I recommend that you approve and sign the Findings and Determination of Eligibility for each of the enclosed INPR's.
5. Also enclosed is a computer disk with the subject INPR's in ASCII and Wordperfect format.

5 Encls


BRUCE A. MALSON
Colonel, Corps of Engineers
Commanding

SITE SURVEY SUMMARY SHEET
FOR
DERP-FUDS SITE NO. I04FLO06300
FORT PICKENS, FLORIDA
5 April 1991

SITE NAME: Fort Pickens.

LOCATION: Escambia County, Florida, approximately seven miles south of Pensacola, Florida on the western point of Santa Rosa Island (see attached site map).

SITE HISTORY: Plans to fortify Pensacola Harbor were prepared in 1822 anticipating the selection of Pensacola as the site of the principal Navy Depot on the Gulf of Mexico. To secure the approaches to the Navy Yard from foreign invasion, the U.S. Army Corps of Engineers constructed four coastal forts. The largest of the four, Fort Pickens, was built between 1829-1834 to guard Santa Rosa Island and the entrance to the harbor. The size of Fort Pickens allowed for the protection of large numbers of infantry whose job was to prevent an invading land force from occupying the island. Fort Pickens was also sited to prevent enemy ships from anchoring in range of the Navy Yard and to prevent a hostile fleet from entering the harbor. For more than 110 years Fort Pickens and the surrounding area were part of the Fort Barrancas Army Post. Portions of the post saw duty during the Civil War, Spanish American War, World War I, and World War II. Fort Pickens, originally part of the harbor defense of Pensacola, consisted of approximately 9,905.54 acres, (the reservation being unsurveyed) acquired in 1828. At the end of World War II the post was declared surplus, 66.4 acres were transferred to the Department of the Navy for use as a rifle range, and the War Assets Administration assumed accountability for the remaining 1,571.60 acres in 1948. In 1949, this area (1,571.60 acres) was conveyed to the state of Florida for use as a park and historical monument. In 1972, the National Park Service of the United States Department of Interior acquired these lands as well as the Naval rifle range for inclusion in the Gulf Islands National Seashore.

SITE VISIT: A site visit was conducted on 10 October 1990 by Messrs. Cade E. Carter, Tre' Wharton, and Patrick MacDanel of Gulf Engineers & Consultants, Inc. (GEC), Baton Rouge, Louisiana. They coordinated their inspection with and were escorted by Mr. Jeffery Parsons, Cultural Resource Specialist, National Park Service, U.S. Department of the Interior, the current owner. A thorough examination of the site was conducted (see Table 1).

CATEGORY OF HAZARD: None identified.

PROJECT DESCRIPTION: The site was investigated for structural demolitions and debris residues, hazardous and toxic wastes, ordnance contamination, and the presence of underground storage tank/pipelines resulting from Department of Defense use of the site.

There are no potential projects at this site. No further action is required.

AVAILABLE STUDIES AND REPORTS:

Open files: Historical Data--National Park Service

PA-POC: Mr. Robert J. Pennington, 904/791-2400, is the district POC.

Table 1. List of key buildings and structures of Fort Pickens reviewed for DERP/FUDS with comments on present situation.

NLE = No Longer Exists

| Building No. and Function | Present Condition |
|---------------------------|--|
| 6 | Storehouse Existing in-use |
| 7 | Tractor shed Existing in-use |
| 8 | NCO quarters NLE |
| 17 | R.R. roundhouse NLE |
| 26 | Post Eng. warehouse NLE |
| 27 | Warehouse NLE |
| 28 | Oil house NLE |
| 31 | R.R. tool house Existing in-use |
| 36-37 | Army-Navy building NLE |
| 39 | Oil house NLE |
| 45 | Power plant building NLE |
| 46 | Magazine NLE |
| 50-51 | Oil house NLE |
| E100 | Ordnance shop NLE |
| E101 | Ordnance warehouse NLE |
| E102 | Ordnance warehouse NLE |
| E103 | Ordnance boiler house NLE |
| Batteries 234 | Worth, Langdon Existing in-use |
| T640 | Plotting room NLE |
| T691 | Range house NLE |
| No. # | 5 metal buildings NLE |
| No. # | 2 metal buildings NLE |
| 4 each | Disappearing search light towers NLE |
| 1 each | Steel tower with cone building on top NLE |
| 5 each | Steel tower with steel building on top NLE |
| 9 each | Igloos NLE |
| Approx 83 each | Electric poles, wire, transformers and 1 siren NLE |
| | Runway matting NLE |
| | Narrow gauge R.R. trackage NLE |
| 4 each | Small unnumbered shacks NLE |
| 6 each | Fuel tanks NLE |

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

FORT PICKENS, FL

SITE NO. I04FL006300

FINDINGS OF FACT

1. The Fort Pickens site originally consisted of 9,905.54 acres of fee simple land. The 999.13 acres on the west end of Santa Rosa Island were acquired by purchase by the United States on 28 May 1828. The island (totaling 8,906.41 acres) was set aside from public domain and was reserved for Naval purposes by Executive Order dated 21 April 1838. This portion of the west end of the island was transferred to the War Department by Executive Order dated 21 May 1888. The reservation was modified and extended to include the whole of Santa Rosa Island by Executive Order dated 2 July 1888. The site is located in Escambia County, seven miles south of Pensacola, Florida. The site was developed and used for Pensacola Harbor Defenses.
2. Fort Pickens is an historically significant structure situated on the site having been a part of the Harbor Defenses of Pensacola. Fort Pickens was constructed by the U.S. between 1829 and 1834. The fort was used from the time of the Civil War until 1947, when harbor defenses were no longer required. During this time the Army constructed numerous improvements including narrow gauge railroad trackage, railroad roundhouse, warehouses, personnel quarters, power house, ordnance support facilities, utilities for on-site use (electric, telephone, and water systems), searchlight towers, steel towers, nine concrete coastal defense batteries, and assorted support facilities. On 5 October 1948, 66.40 acres were transferred to the Department of the Navy for use as a target firing range along with improvements including range house, lookout tower, rifle range, and miscellaneous utilities.
3. A tract of 211.54 acres was transferred to the Treasury Department for use as a quarantine station on 27 January 1903. Approximately 8,039 acres were sold to the County of Escambia, Florida, by deed dated 29 April 1929, under authority of an Act of Congress approved 12 March 1926, (44 Stat. 203). On 20 February 1948, 17.00 acres were transferred along with easements for utilities to the U.S. Coast Guard. Accountability for the remaining 1,571.60 acres was assumed by the War Assets Administration on 26 December 1948. In the quit claim deed dated 3 November 1949, the United States of America acting through the General Services Administration, conveyed 1,571.60 acres to the state of Florida for use as a park and historical monument. The deed contains a recapture clause and stipulates that the property will be used as a state park and historical monument for a period of 20 years from

SITE NO. I04FL006300

the date of conveyance. A memorandum of agreement dated 23 December 1971, by and between the Secretary of the Interior and the Secretary of the Navy states that the Department of the Navy agrees to transfer to the administrative jurisdiction of the Department of the Interior for administration as part of the Gulf Islands National Seashore, 66.4 acres on Santa Rosa Island, also known as the Navy Rifle Range. The current owner plans to continue utilizing this site as a unit of the Gulf Islands National Seashore. The fort and coastal defense batteries at this site are entrusted to the National Park Service for protection and preservation.

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.

14 Nov 1991

DATE

John F. Sobke

JOHN F. SOBKE
Major General, USA
Commanding

PROJECT SUMMARY SHEET
FOR
DERP-FUDS OE PROJECT I04FL006301
FORT PICKENS, FLORIDA
20 FEBRUARY 2003

PROJECT DESCRIPTION: Fort Pickens is a historically significant structure situated on the site having been a part of the Harbor Defenses of Pensacola. The U.S. between 1829 and 1834 constructed Fort Pickens. The fort was used from the time of the Civil War until 1947, when harbor defenses were no longer required. During this time the Army constructed numerous improvements including narrow gauge railroad trackage, railroad roundhouse, warehouses, personnel quarters, power house, ordnance support facilities, utilities for on-site use, searchlight towers, steel towers, nine concrete coastal defense batteries, and assorted support facilities. On 5 October 1948, 66.40 acres were transferred to the Navy for use as a target firing range along with improvements including range house, lookout tower, rifle range, and miscellaneous utilities

PROJECT ELIGIBILITY: Records indicate that the Department of Defense used this site for ordnance purposes. 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. An ASR is recommended to obtain additional historical information to determine follow-on action.

RISK ASSESSMENT CODE (RAC): Attached. The RAC score for this site is 2, indicating the site warrants further action.

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

ENCL 2

| B. Pyrotechnics (for munitions not described above): | VALUE |
|--|-------|
| Munitions (Containers) containing White Phosphorus (WP) or other Pyrophoric Material (i.e., Spontaneously Flammable) | 10 |
| Munitions 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) | 0 |

What evidence do you have regarding pyrotechnics? **None**

| C. Bulk High Explosives (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 | <u>10</u> |
| 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) | 8 |

What evidence do you have regarding bulk explosives? **Coastal defense sites that received, stored, and utilized ammunition were also responsible for the destruction of unserviceable ordnance.**

| D. Bulk Propellants (Not an integral part of rockets, guided missiles, or other conventional ordnance; uncontainerized): | VALUE |
|--|----------|
| Solid or Liquid Propellants | <u>6</u> |
| Propellants | 0 |

What evidence do you have regarding bulk propellants? **Coastal defense ammunition was separate loading, so in addition to projectiles propellant bags/containers could remain.**

| | |
|--|----------|
| 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 regarding chemical/radiological OEW? NONE | |

=====

TOTAL HAZARD SEVERITY VALUE

(Sum of the Values for A through E--Maximum of 61) **26**
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/or greater |
| CRITICAL | II | 10 to 20 |
| MARGINAL | III | 5 to 9 |
| NEGLIGIBLE | IV | 1 to 4 |
| **NONE | V | 0 |

* APPLY HAZARD SEVERITY CATEGORY TO TABLE 3.

** IF HAZARD SEVERITY 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 OEW HAZARD
(Circle all that apply)

| A. Location of OEW Hazards: | VALUE |
|--|----------|
| On the surface | 5 |
| Within tanks, pipes, vessels or other confined areas | 4 |
| Inside walls, ceilings, or other building/structure | 3 |
| Subsurface | <u>2</u> |
| Location (Select the single largest value) | <u>2</u> |
| What evidence do you have regarding location of OE? No evidence of OE on the surface, if present it is likely sub-surface | |

| B. Distance to nearest inhabited location/structure likely to be at risk from OE hazard (road, park, playground, building, etc.): | VALUE |
|--|----------|
| Less than 1250 feet | <u>5</u> |
| 1250 feet to 0.5 miles | 4 |
| 0.5 miles to 1.0 miles | 3 |
| 1.0 miles to 2.0 miles | 2 |
| Over 2 miles | 1 |
| Distance (Select the single largest value) | <u>5</u> |
| What are the nearest inhabited structures/buildings? Fort Pickens is now a park open to the public | |

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

| | VALUE |
|---|----------|
| 26 and over | <u>5</u> |
| 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) | <u>5</u> |

Narrative. **Park buildings, residences across the sound.**

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

| | VALUE |
|---|----------|
| Educational, Child Care, Residential, Hospitals, Hotels, Commercial, Shopping Centers | <u>5</u> |
| 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. **There are homes within 2 miles**

E. Accessibility to site refers to access by humans to ordnance and explosives. Use the following guidance:

| BARRIER | VALUE |
|---|----------|
| No barrier or security system | 5 |
| 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. | <u>3</u> |
| 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) which continuously monitors and controls entry; or an artificial or natural barrier (e.g., a 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 to the facility (e.g., an attendant, television monitors, locked entrances, or controlled roadway access to the facility). | 0 |
| Accessibility (Select the single largest value) | <u>3</u> |

Describe the site accessibility. **Area controlled by park personnel.**

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 on beaches or streams, increasing land development that could reduce distances from the site to inhabited areas or otherwise increase accessibility.

| | VALUE |
|------------------------------|----------|
| Expected | 5 |
| None Anticipated | 0 |
| Site Dynamics (Select value) | <u>0</u> |

Describe the site dynamics. **Intended to remain an Historic site and park.**

TOTAL HAZARD PROBABILITY VALUE

(Sum of Largest Values for A through F--Maximum of 30)

20

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 |
| OCCASIONAL | C | 15 to 20 |
| 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 | <u>2</u> | 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 USAESCH – 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.

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 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.

Coastal Defense sites utilized large guns and the possibility that some ordnance remaining is possible. Recommend further action by USAESCH.

Site Cost Over Time Report (with Markups)

Folder: Ft.Pickens
 Project Name: FT.Pickens
 Project ID: I04FL006301
 Site Name: Ft.Pickens
 Site Type: OEW
 Site ID: I04FL006301

Location: PENSACOLA, FLORIDA
 Report Option: Fiscal
 Initial Phase Element Start Date: 10/1/2004

| Phase Element | Fiscal Year 2003 | Fiscal Year 1 2015 | Fiscal Year 2 2016 | Fiscal Year 6 2020 | Fiscal Year 9 2023 | Fiscal Year 12 2026 | Fiscal Year 15 2029 | Fiscal Year 19 2033 | Fiscal Year 23 2037 | Fiscal Year 27 2041 | Fiscal Year 32 2046 | Fiscal Year 37 2051 | Row Total |
|--|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------|
| ASR | \$80,000 | | | | | | | | | | | | \$80,000 |
| EE/CA | | \$1,339,303 | | | | | | | | | | | \$1,339,303 |
| RD | | | \$50,000 | | | | | | | | | | \$50,000 |
| RA-C Removal Action and Institutional Controls | | | \$13,615,450 | | | | | | | | | | \$13,615,450 |
| LTM | | | | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$1,193,004 |
| Total | \$80,000 | \$1,339,303 | \$13,665,450 | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$132,556 | \$16,277,757 |