



DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION
60 FORSYTH STREET SW, ROOM 10M15
ATLANTA, GA 30303-8801

CESAD-PDM

30 September 2013

MEMORANDUM FOR COMMANDER, JACKSONVILLE DISTRICT (CESAJ-PM-M/John Keiser)

SUBJECT: Approval of Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property No. I02VI0564, Benedict Field, Frederiksted, United States Virgin Islands (USVI)

1. Reference memorandum, CESAS-PM-M, 19 September 2013 and INPR, subject: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property No. I02VI0564, Benedict Field, Frederiksted, United States Virgin Islands (USVI).
2. South Atlantic Division (SAD) approves the revised Inventory Project Report (INPR) to administratively realign the former MMRP project into Munitions Response Area (MRA)/Munitions Response Site (MRS) definition per USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation Guidance for FUDS MMRP Realignment v. 1.0.2, 1 October 2011. As such, the MMRP project will be delineated into two MMRP projects and a revision of the original MMRP as reportedly recommended in the Site Investigation and MMRP Project Realignment and Delineation Form (Enclosure 5 of referenced memorandum).
3. Approval is based upon information from five enclosures received from Jacksonville District. Enclosure 1 is the Revised Property Survey Summary Sheet. The Property Map is in Enclosure 2. The Finding of Determination of Eligibility is in Enclosure 3. Enclosure 4 is the Revised Project Summary Sheets, July 2013 and Munitions Response Maps. Enclosure 5 contains the MMRP Project Realignment and Delineation Form.
4. This revision does not change the basic footprint of the property or scope of the project. This INPR has been coordinated with the Florida Department of Environmental Protection (FDEP).
5. Overall project management of this property is the responsibility of the Jacksonville District (SAJ). The SAJ Project Manager must update the DERP-FUDS database (FUDSMIS) to reflect this approval and follow procedures described in the FUDS Program Policy, ER 200-3-1.

CESAD-PDM

30 September 20123

SUBJECT: Approval of Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property No. I02VI0564, Benedict Field, Frederiksted, United States Virgin Islands (USVI)

6. Questions concerning this action should be directed to the SAD DERP-FUDS Program Manager, Mr. Cody Jackson, CESAD-PDM, (404) 562-5209.

FOR THE COMMANDER:

Encl


TORKILD P. BRUNSO, P.E.
Chief of Military Integration
Division

CF:

COMMANDER, HQ USACE (CEMP-DE) (wo/encls)

COMMANDER, U S ARMY CORPS OF ENGINEERS ENVIRONMENTAL and MUNITIONS
CENTER of EXPERTISE, PO BOX 1600, HUNTSVILLE, AL, 35807-4301 (wo/encls)

COMMANDER, U S ARMY CORPS OF ENGINEERS ENVIRONMENTAL and MUNITIONS
CENTER of EXPERTISE, EMCX DOCUMENTATION, 1616 CAPITOL AVE, SUITE 9200,
OMAHA, NEBRASKA 68102 (w/encls)

COMMANDER, JACKSONVILLE DISTRICT (CESAJ-PM-M) (wo/encls)



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
701 San Marco Blvd.
Jacksonville, FL, 32207-8175

REPLY TO
ATTENTION OF:

19 SEP 2013

CESAJ-PM-M

MEMORANDUM FOR Commander, South Atlantic Division, ATTN: CESAD-PD-M (Cody Jackson), Room 10M15, 60 Forsyth Street, SW, Atlanta, GA 30303-8801

SUBJECT: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property No. I02VI0564, BENEDICT FIELD, FREDERIKSTED, UNITED STATES VIRGIN ISLANDS (USVI).

1. This memorandum, including enclosures, comprises the revised INPR for the Military Munitions Response Program (MMRP) projects at BENEDICT FIELD. Enclosure 1 is the 2013 Revised Property Survey Summary Sheet. Enclosure 2 is the property map.
2. The Findings and Determination of Eligibility for this property was previously approved in 1992 and is included here as Enclosure 3. The property was determined to be eligible for inclusion into the FUDS Program. The MMRP project I02VI056401 is the subject of this revision.
3. This is primarily an administrative change to revise the former MMRP project into Munitions Response Area (MRA)/Munitions Response Site (MRS) definitions currently mandated by the Department of Defense (DoD). This revision implements HQUSACE Implementation Guidance for FUDS MMRP Project Realignment dated 1 October 2011, to realign the existing MMRP project into separate MMRP projects as identified in the MMRP Site Inspection (SI) and accompanying MMRP Project Realignment and Delineation Form. One new MMRP project and a revision to the original MMRP project are proposed. Enclosure 4 contains the Project Summary Sheets for the existing revised project and the proposed MMRP project. Enclosure 5 is the completed MMRP Project Realignment and Delineation Form for your reference.
4. This revision does not change the basic footprint of the property or scope of the project and was performed in accordance with HQUSACE Implementation Guidance for FUDS MMRP Project Realignment dated 1 October 2011. The USVI was part of the technical project planning team which developed and reviewed the findings of the project SI report which contains the potential project revision.

5. I recommend that:

a. South Atlantic Division approves the revised and new MMRP Project.

b. South Atlantic Division forwards a copy of the approval memo and this revised INPR to the Environmental and Munitions Center of Expertise.

6. Please contact me directly if I can be of further assistance. Detailed information desired by your staff can be obtained by contacting Jose Mendez, (787) 729-6893.

A handwritten signature in black ink, appearing to read 'M. Ornella', with a long horizontal line extending to the right.

Encls:

MICHAEL A. ORNELLA
Chief, Military/Interagency and
International Services Branch

**REVISED
PROPERTY SURVEY SUMMARY SHEET
FOR
DERP-FUDS PROPERTY NO. I02VI0564
BENEDICT FIELD
FREDERIKSTED, ST. CROIX County, VI
July 2013 (Revision Date)**

PROPERTY NAME: Benedict Field

LOCATION: Benedict Field is in St. Croix County, approximately 6 miles southeast of Frederiksted, St. Croix Island, Virgin Islands. The property is located in the vicinity of Latitude 17° 42' 04" N, Longitude 64° 47' 46" W. Benedict Field is within the "At Large" U.S. Virgin Islands Non-Voting Representative Congressional District 98, Environmental Protection Agency Region 2, and zip code 00840.

PROPERTY HISTORY: 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. On December 30 1943, the Army Air Force retransferred 52 acres to the Department of the Interior.

The Caribbean Air Command of the Army Air Force utilized Benedict Field from 1940 until 1947. It was used as an auxiliary airfield for Borinquen Field in Puerto Rico. Structures included a practice bomb target, small arms ranges, ammunitions storage facilities, and other buildings associated with an Army Airfield. The Army Air Force constructed an airport facility with runways and runway facilities, housing units, warehouses, hangers, administration building, and underground fuel and water storage tanks. 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. In a final transfer, the Municipality of St. Croix, Virgin Islands was conveyed 2,154.33 acres by Quitclaim Deed from the War Department through the Federal Farm Mortgage Corporation 22 November 1948, to be used for airport purposes. The deed contains restrictions including the right of exclusive use during any national emergency with a right of reentry and revert for breach of restriction. The Municipality of St. Croix owns the majority of this land and it currently remains a municipal airport. A private industry, U.S. Virgin Island Air National Guard, highways, horse racetrack, and a drag racetrack also are on the former FUDS property.

PROPERTY VISIT: There have been several property visits conducted on the Benedict Field by USACE personnel as well as by government contractors.

CATEGORY OF HAZARDS: MMRP

PROJECT DESCRIPTION:

Project 01: MMRP - Bombing Target. Project 01 was approved 18 March 2003. This existing project is revised to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011, the recommendations in the Final SI Report dated March 2011, and in accordance with the MMRP Project Realignment and Delineation Form dated 5 September 2012. This project now addresses the Bombing Target. Known or suspected munitions at the MRS include Mk15 100 lb. practice bomb (Mods 1,2,3, & 4), AN-Mk43 4.5-lb practice bomb, AN-Mk23 and AN-Mk5 3-lb practice bombs, bomb signal cartridges (Mk7 and Mk4 [Mods 0, 1, 2, 3, and 4]), and AN-M26 aircraft parachute flares.

No MEC was observed during the SI field visit. However, MD (a nose cone from an Mk15 100-lb practice bomb) was observed. No other munitions related features were observed by the SI field team. No explosives were detected in SI soil samples, but all MC metals were detected above background concentrations. MC metals did not exceed human health screening values but copper, lead and zinc exceeded ecological screening values. Copper and zinc only slightly exceeded the ecological screening values and the concentrations could be within the range of naturally occurring concentrations. However, an unacceptable risk to ecological receptors from lead in surface soil is possible at the MRS.

Project 02: MMRP - Rifle Range. The original MMRP project, Project 01 is revised and Project 02 is added to be consistent with the current USACE Handbook on Realignment, Delineation and MRS Prioritization Protocol Implementation dated October 1, 2011, the recommendations in the Final SI Report dated March 2011, and in accordance with the MMRP Project Realignment and Delineation Form dated 5 September 2012. Project 02 addresses the Rifle Range. Known or suspected munitions at the MRS include only .30 caliber small arms ammunition.

No MEC or MD was observed during the SI field visit or historically at the MRS. Only small arms munitions were used at the MRS. No explosives were detected in SI surface soil, surface water, and sediment samples. MC metals were detected in all three sampled media. None of the detected concentrations exceeded human health screening values. Copper and lead slightly exceeded ecological screening values (ESVs) in surface water; however, the ESVs for surface water are determined based on conservative assumptions and the marginal exceedances are not expected to present a high potential

for ecological risk. Copper and zinc exceeded ESVs in surface soil, but based on the limited background data set, these concentrations may be within the range of naturally occurring concentrations.

AVAILABLE STUDIES AND REPORTS:

Inventory Project Report (INPR) for Project 01 - January 2003

Final Preliminary Assessment (PA) - November 2006

Final Site Inspection (SI) Report - March 2011

Reports and studies are available on the Project Information Retrieval System (PIRS) at <http://pirs.usace.army.mil/fuds.cfm>; Engineering Knowledge Online (EKO) Virtual Teams at <https://eko.usace.army.mil/virtualteams/mmrp/>; and the FUDS Records Management Database (FRMD) at <https://frmd.usace.army.mil/fiip/app/index.cfm>

POINT OF CONTACT: Jose Mendez, Jacksonville District, (787) 729-6893

LEAD REGULATOR: Verline Marrellin, U.S. Virgin Islands Department of Planning and Natural Resources, Division of Environmental Protection, (840) 773-1082

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, hangers, 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 76
DATE


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

**REVISED PROJECT SUMMARY SHEET
FOR
DERP-FUDS MMRP PROJECT NO. I02VI056401
Property No. I02VI0564
Federal Facility ID Number: VI9799F4189
Bombing Target
BENEDICT FIELD
St. Croix County, VI
July 2013 (Revision Date)**

PROJECT DESCRIPTION: This MMRP project is revised in accordance with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011, the recommendations in the Final SI Report dated March 2011, and according to the MMRP Project Realignment and Delineation Form dated 5 September 2012. As a result of the MMRP Realignment, the original MMRP Project, Project 01, is now limited to the Munitions Response Site (MRS) identified as the Bombing Target. Although the description of this project is now limited to a specific geographic area, the integrity of the original project scope will be maintained by the combination of all MMRP project scopes.

The 649-acre Bombing Target MRS is located approximately 4 miles southeast of Frederiksted, St. Croix Island, Virgin Islands. The bombing range originally was assigned zero acres; the acreage is revised to 649 acres that corresponds to the Bombing Target MRS indicated in the Final SI Report. The MRS includes 553 acres of land with the remaining 96 acres extending over tidal water. The MRS was used as a practice bombing target possibly including night bombing by personnel stationed at Borinquen Field in Puerto Rico from 1940 to 1947. Known or suspected munitions at the MRS include Mk15 100 lb. practice bomb (Mods 1,2,3, & 4), AN-Mk43 4.5-lb practice bomb, AN-Mk23 and AN-Mk5 3-lb practice bombs, bomb signal cartridges (Mk7 and Mk4 [Mods 0, 1, 2, 3, and 4]), and AN-M26 aircraft parachute flares. A Certificate of Clearance was issued in 1947. The land is currently owned by the USVI Port Authority and is partially undeveloped but a portion is operated as the Henry E. Rohlsen Airport.

The SI field team conducted visual qualitative reconnaissance by walking approximately 4.1 miles on the MRS. No MEC was observed during the SI field visit. However, MD (a nose cone from an Mk15 100-lb practice bomb) was observed. No other munitions related features were observed by the SI field team. Surface soil samples were collected and analyzed for explosives and selected MC metals (antimony, copper, lead and zinc). No explosives were detected but all four MC metals were detected above background concentrations. MC metals did not exceed human health screening values but copper, lead and zinc exceeded ecological screening values. Copper and zinc only slightly exceeded the ecological screening values and the concentrations could be within

the range of naturally occurring concentrations. However, an unacceptable risk to ecological receptors from lead in surface soil is possible at the MRS.

PROJECT ELIGIBILITY: Property was under the jurisdiction of the Secretary and owned by, leased to, or otherwise possessed by the United States at the time of actions leading to contamination by hazardous substances. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

POLICY CONSIDERATIONS: This project is being revised to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011.

PROPOSED ACTIVITIES: Based on the findings presented in the Final SI Report, further investigation for both MEC and MC is warranted.

POINT OF CONTACT: Jose Mendez, Jacksonville District, (787) 729-6893

LEAD REGULATOR: Verline Marrellin, U.S. Virgin Islands Department of Planning and Natural Resources, Division of Environmental Protection, (840) 773-1082



Legend

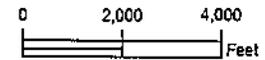
X CENTROID
UTM ZONE 20 (NAD83)
307454.9m E
1967281.4m N
17° 41' 39" N
64° 48' 56" W

APPROXIMATE MRS BOUNDARY
TOTALACREAGE = 649 Ac
LAND ACREAGE = 553 Ac
WATER ACREAGE = 96 Ac

□ APPROXIMATE PROPERTY BOUNDARY



MAP DATA UPDATED SUBSEQUENT TO SITE
INSPECTION REPORT, MARCH 2011



	U. S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT
BENEDICT FIELD FUDS PROJECT NO. 102VI056401 MUNITIONS RESPONSE MAP	
BOMBING TARGET	
PROJ. DATE: Nov 2012	REV. 01 / 01M01

MMRP PROJECT REALIGNMENT and DELINEATION FORM (PRDF)

FUDS Property Number: I02VI0564

FUDS Property Name: BENEDICT FIELD

MMRP Project Phase: Site Inspection

FUDS PM District: CESAJ

MMDC: CEHNC

CURRENT FUDSMIS CONFIGURATION

PRE-REALIGNMENT

(Use this table for properties that have not been realigned and are in the Property → Project → MMR Area configuration)

Number of MMRP Projects: 1

Number of MMR Areas: 2

No.	Proj. No.	Project Category	Project Name	MMR Area ID - MRS No.	MMR Area Name	MRS Score	Acres
1	01	MMRP	SMALL ARMS BOMB RANGES - STORAGE	I02VI056401M01 - 1	Bombing Target	N/A	0
2				I02VI056401M02 - 2	Rifle Range	N/A	1,259
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
						Total Acres	1,259

(Add additional lines as needed)

FUDS Property Number: I02VI0564

FUDS Property Name: BENEDICT FIELD

CURRENT FUDSMIS CONFIGURATION

POST REALIGNMENT

(Use this table for properties that have been realigned and are in the Property→MRA→MRS configuration)

Number of MRAs:

Number of Projects / MRS:

	MRA ID	MRA Name	Proj. / MRS Number	Project Category	Project / MRS Name	MRS Score	Acres	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
							Total Acres	

(Add additional lines as needed - also explain all acreage changes on the last page)

FUDS Property Number: I02VI0564

FUDS Property Name: BENEDICT FIELD

NEW MMRP PROJECT DESIGNATION RECOMMENDATION

Realignment or Delineation? Realignment Delineation

Realignment

Delineation

Number of MMR Areas (pre-realignment): 2

Number of MRAs (pre-delineation):

Number of MRAs (post-realignment): 2

Number of MRAs (post-delineation):

Number of MMRP Projects (MRSs) (post-realignment): 2

Number of MMRP Projects (MRSs) (post delineation):

(Default is one MMRP Project per MRA, if No is selected, complete justification on last page. Also explain all acreage differences between pre and post realignment on the last page)

(Default is same number of MRAs pre and post delineation. If combining MRAs, concurrence from HQUSACE is required. Also explain any acreage differences between pre and post delineation on the last page.)

Default Selected?: YES NO

Default Selected?: YES NO

Proj. / MRS Number	Project Category	Project / MRS Name	MRA ID	MRA Name	Next Phase	MEC	MC	Draft MRS Score	Acres	
1	01	MMRP	Bombing Target	01M01	Bombing Target	RI/FS	Y	Y	4	649
2	02	MMRP	Rifle Range	01M02	Rifle Range	N/A	N	N	NLR	1,259
3										
4										
5										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
Total Acres:									1,908	

(Add additional lines as needed)

FUDS Property Number: I02VI0564		FUDS Property Name: BENEDICT FIELD	
MMRP PROJECT DESIGNATION RECOMMENDATION AUTHORS			
FUDS District PM Name: Jose Mendez		Org. Code: CESAJ-DS-CD	Date: 5 September 2012
<p><u>Justification for MMRP Project Designation Recommendation:</u> <i>(Clear and convincingly justification must be provided using the eight Modifying Criteria in the MMRP Project Splitting Policy - The eight modifying criteria are 1) Geographic Setting, 2) Anticipated Response, 3) Management Efficiency, 4) Land Use, 5) Stakeholder Input, 6) Risk Management, 7) Performance Goals, and 8) Project Complexity)</i></p> <p>Project/MRS 01 (Bombing Target) – Historical documents and MD found during SI field work confirm the use of the MRS as a practice bombing target with the potential for explosive hazards to remain. Based on SI analytical results, an unacceptable ecological risk due to former munitions-related activities may be present from exposure to copper, lead, and zinc in surface soil at the MRS. Therefore, further assessment of the MRS for MEC and MC is warranted.</p> <p>Project/MRS 02 (Rifle Range) – Only small arms were used on the Rifle Range MRS. Therefore, there is no explosive hazard remaining at the MRS and no explosive safety risk. MC in SI samples only slightly exceeded ecological risk values and the concentrations could be within the range of naturally occurring concentrations. Therefore, the Final SI Report recommends no further assessment of the MRS for MEC or MC.</p>			
<p><u>Explanation of Acreage Changes</u></p> <p>No acreage was included for the original MRA 01M01. This error has been corrected during MMRP Realignment by assignment of 649 acres to revised Project/MRS 01 that corresponds to the acreage of the Bombing Target MRS indicated in the Final SI Report.</p>			