



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

CESAD-PDM

18 December 2012

MEMORANDUM FOR COMMANDER, JACKSONVILLE DISTRICT, (CESAS-PM-M/John Keiser/Frank Araico)

SUBJECT: Approval of Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property Number I04FL0698, Fort Pierce, Naval Amphibious Base, Fort Pierce, FL

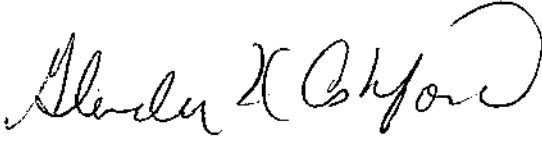
1. Reference memorandum, CESAJ-PM-M, 6 December 2012, Subject: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property Number I04FL0698, Fort Pierce, Naval Amphibious Base, Fort Pierce, FL.
2. South Atlantic Division (SAD) approves the administrative change to revise the former Military Munitions Response Program (MMRP) project into Munitions Response Area (MRA)/Munitions Response Site (MRS) definitions currently mandated by DoD. This revision implements HQ USACE 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 Chemical Warfare Material (CWM/MMRP RI) Remedial Investigation and accompanying MMRP Project Realignment and Delineation Form (PRDF). Six new MMRP project and a revision to the original MMRP project are proposed. Enclosure 1 is the 2012 Revised Property Survey Summary Sheet. Enclosure 2 is the property map. The Findings and Determination of Eligibility (FDE) for this property was previously approved in 1991 and is included as Enclosure 3. Enclosure 4 contains the Project Summary Sheets and Munitions Response Site Prioritizations Protocol (MRSP) results (as required) for the existing revised and the proposed MMRP Projects. Enclosure 5 is the completed MMRP PRDF.
3. 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 state of Florida was part of the technical project planning team which developed and reviewed the findings of the project RI Report which contained these proposed project revisions.
4. 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

SUBJECT: Approval of Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property Number I04FL0698, Fort Pierce, Naval Amphibious Base, Fort Pierce, FL

5. Questions concerning this action should be directed to the SAD DERP-FUDS Program Manager, Victor M. Bonilla, CESAD-PDM, (404) 562-5230.

FOR THE COMMANDER:


for TORKILD P. BRUNSO
Chief, of Military Integration Division

5 Encls

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:

CESAJ-PM-M

6 December 2012

MEMORANDUM FOR Commander, South Atlantic Division, ATTN: CESAD-PD-M (Victor Bonilla), Room 9M15, 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. I04FL0698, FT PIERCE NAVAL AMPH BASE, FT PIERCE, FL

1. This memorandum, including enclosures, comprises the revised INPR for the Military Munitions Response Program (MMRP) projects at the FT PIERCE NAVAL AMPH BASE. Enclosure 1 is the 2012 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 1991 and is included here as Enclosure 3. The property was determined to be eligible for inclusion into the FUDS Program. The MMRP project I04FL069801 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 DoD. This revision implements HQUSACE Implementation Guidance for FUDS MMRP Project Realignment dated 01 October 2011, to realign the existing MMRP project into separate MMRP projects as identified in the CWM/MMRP RI and accompanying MMRP Project Realignment and Delineation Form. Six new MMRP projects and a revision to the original MMRP project are proposed. Enclosure 4 contains the Project Summary Sheets and Munitions Response Site Prioritizations Protocol (MRSPP) results (as required) for the existing revised and each 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 01 October 2011. The state of Florida was part of the technical

project planning team which developed and reviewed the findings of the project Remedial Investigation report which contains the potential project revision.

5. I recommend that:

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

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 the Project Manager, Frank Araico, at 904-232-1804.

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

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

5 Encls

1. Revised Property Survey Summary Sheet
2. Property Map
3. FDE
4. Revised Project Summary Sheets w/attachments
5. MMRP Project Realignment and Delineation Form

REVISED
PROPERTY SURVEY SUMMARY SHEET
FOR
DERP-FUDS PROPERTY NO. I04FL0698
FT PIERCE NAVAL AMPH BASE
FT PIERCE, ST LUCIE County, FL
November 2012 (Revision Date)

PROPERTY NAME: Fort Pierce Naval Amphibious Base

LOCATION: The property, which is located in Martin, St. Lucie and Indian River Counties, Florida extends from near Jensen Beach to approximately five miles south of Vero Beach, Florida. The property is located in the vicinity of Latitude 27° 27" 57' N, Longitude 80° 17" 58' W, Congressional District 16, US Environmental Protection Agency Region IV.

PROPERTY HISTORY: Fort Pierce Naval Amphibious Training Base was constructed on the beaches of North and South Hutchinson Island and the causeway linking Ft. Pierce to South Hutchinson Island. Land holdings (mostly leased) totaled almost 20,000 acres, of which as many as 10,000 acres were submerged lands. The installation was a training site during World War II for the invasion of Europe and included submerged obstacle training areas, mine removal training areas, beach landing sites and anti-aircraft gunnery training areas. Up to 40,000 personnel were trained at the installation; however, many of the facilities were temporary, including many semi-tent structures (hutments). Most of the facilities were removed when the installation was closed in 1946, and the property was returned to the owners. Subsequently, much of the beach property has been extensively subdivided and heavily developed with the exception of land belonging to the Ft. Pierce Inlet State Recreation Area on North Hutchinson Island.

PROPERTY VISIT: An initial property visit was conducted on 27-28 May 1993 by U.S. Army Corps of Engineers (USACE) personnel. Several property visits have subsequently been conducted on the property by USACE) personnel, as well as by government contractors.

CATEGORY OF HAZARDS: BD/DR, MMRP/CWM, MMRP

PROJECT DESCRIPTION:

Project 00: BD/DR. Beach Obstacles, Scullie. Project 00 was approved on 21 August 1991. During 1943, the Joint Army Navy Experimental and Testing Board (JANET) placed beach barriers of concrete and steel in the shallow ocean waters of the project area. Tests were conducted in attempts to breach these barriers using a variety of materials to include high explosives and ammunition. The results of these tests created a debris field stretching for miles along the coast. Project 00 addresses the remaining obstacles and debris within the boundary of MRS 05 (Project 05). This revised INPR does not address this project.

Project 01: MMRP/CWM – Chemical Warfare Agent Test Area. 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 RI Report dated June 2012, and in accordance with the MMRP Project Realignment and Delineation Form dated 08 August 2012. This project now addresses the Chemical Warfare Agent (CWA) Test Area, which was utilized in January and February 1944. Studies were conducted along this shoreline to determine effectiveness of various decontamination methods on beach sand contaminated with Sulfur Mustard (H). Test protocols and findings were well-documented, and showed decontamination was completely successful, with no residual agent detected. No source areas remain for chemical warfare materiel (CWM) or chemical agent (CA) at the CWA Test Area.

Project 02: MMRP - Engineer Board Area. 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, and in accordance with the MMRP Project Realignment and Delineation Form dated 08 August 2012. The MRS is south of Vero Beach centered adjacent to Little Starvation Cove. The Engineer Board Area was a developed portion of the Ft. Pierce Naval Amphibious Base which included the support facilities for construction and emplacement of beach obstacles and fortifications. Although no explosive related activities are known to have been established within the interior of the MRS, ordnance and explosives operations were conducted along the eastern boundary between 1943 and 1945. Munitions and explosives of concern (MEC) and munitions debris (MD) have been discovered at various locations within the MRS since the period of military operations.

Project 03: MMRP - Naval Demolition Research Area. The original MMRP project, Project 01, is revised and Project 03 is added to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation

dated October 1, 2011, and in accordance with the MMRP Project Realignment and Delineation Form dated 08 August 2012. The Naval Demolition Research Area MRS is located south of Vero Beach, centered near Big Starvation Cove. The mission for this research area is not clearly delineated in historical documentation. No explosives related activities are known to have been established within the interior of the MRS. However, ordnance and explosives operations were conducted along the eastern boundary between 1943 and 1945, and MEC and MD has been discovered at various locations within the MRS since the period of military operations.

Project 04: MMRP - Naval Combat Demolition Unit Area. The original MMRP project, Project 01, is revised and Project 04 is added to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011, and in accordance with the MMRP Project Realignment and Delineation Form dated 08 August 2012. The Naval Combat Demolition Unit Area MRS is located on North Hutchinson Island, centered approximately 2.5 miles north of the Fort Pierce Inlet. Naval Combat Demolition Unit Area was Headquarters for the underwater demolition teams and was identified as one of several on the North Island where considerable quantities of conventional munitions were stored and used. No explosives related activities are known to have been established within the interior of the MRS. However, ordnance and explosives operations were conducted along the eastern boundary between 1943 and 1945, and MEC and MD have been discovered at various locations within the MRS since the period of military operations.

Project 05: MMRP - Offshore Obstacle Area. The original MMRP project, Project 01, is revised and Project 05 is added to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011, and in accordance with the MMRP Project Realignment and Delineation Form dated 08 August 2012. The Offshore Obstacle Area MRS is located off shore along North Hutchinson Island immediately south of Vero Beach. During 1943, beach barriers of concrete and steel were positioned in the shallow ocean waters of the project area. Tests were conducted in attempts to breach these barriers using a variety of materials to include high explosives and ammunition. The results of these tests created a debris field stretching for miles along the coast. Barrier removal projects have been conducted over the years, with significant results. The USACE is addressing the remaining obstacles and debris under the BD/DR Project 00. This project will address the MEC and MC related issues with this MRS.

Project 06: MMRP - South Island Bombing Range. The original MMRP project, Project 01, is revised and Project 06 is added to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation

dated October 1, 2011, and in accordance with the MMRP Project Realignment and Delineation Form dated 08 August 2012. The South Island Bombing Area MRS is located on South Hutchinson Island, centered immediately east of Nettles Island. The MRS was identified as a possible bombing range based on general historical documentation and interpretation of pock marks present in historical aerial imagery.

Project 07: MMRP - Anti-Aircraft Gunnery Range. The original MMRP project, Project 01, is revised and Project 07 is added to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011, and in accordance with the MMRP Project Realignment and Delineation Form dated 08 August 2012. The Anti-Aircraft Gunnery Range MRS is located on South Hutchinson Island approximately 1.5 miles up the coast from the St. Lucie Power Plant. The MRS is identified as a multiple use range with both small arms up to and including .50 caliber, and anti-aircraft artillery up to 3-inch. All firing, to include ground target ranges (i.e. pistol and rifle) and Anti-aircraft guns were established along the coastline with their direction of fire seaward.

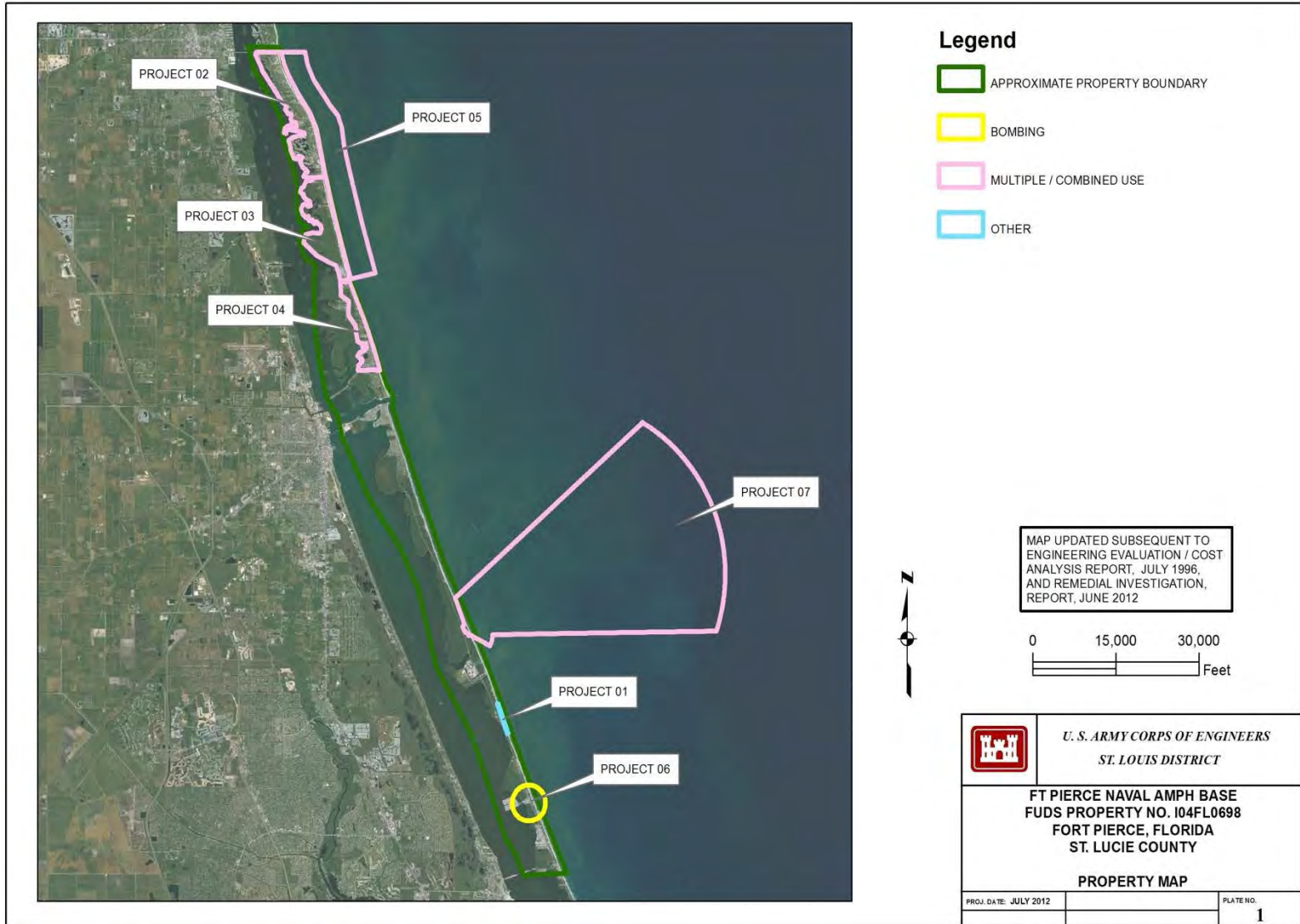
AVAILABLE STUDIES AND REPORTS: Available studies and reports include:

- Final Archives Search Report, February 2007
- Final Engineering Evaluation/Cost Analysis Report and Action Memo, July 1996
- MTADS Mapping and Ordnance Investigation Report, March 1998
- Completion Report for Beach Barrier Removal Project, September 1998.
- Final Remedial Investigation Report, June 2012

Reports and studies are available on the Project Information Retrieval System (PIRS) at <http://pirs.usace.army.mil/fuds.cfm>; and the Formerly Used Defense Sites Records Management Database (FRMD) at <https://frmd.usace.army.mil/fiip/app/index.cfm>

POINT OF CONTACT: Mr. John Keiser, CESAJ-PM-M, (904)232-1758

LEAD REGULATOR: Florida Department of Environmental Protection, Joe McGarrity, (850) 245-8979



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

U.S. NAVAL AMPHIBIOUS TRAINING BASE, FT. PIERCE, FL

SITE NO. I04FL069800

FINDINGS OF FACT

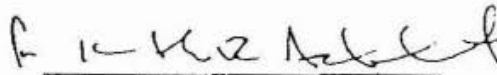
1. Between 27 July 1942 and 6 July 1945, the United States acquired 19,280.48 acres (includes 9,936.09 acres in submerged lands) by condemnation for leasehold estates, lease and permit for a naval amphibious training facility located between the city of Ft. Pierce and the Atlantic Ocean in St. Lucie and Martin Counties, Florida. The site was developed and named the U.S. Naval Amphibious Training Base, Ft. Pierce, Florida.
2. The Navy established a complete amphibious training facility at the site by acquisition and construction of approximately 453 buildings and structures along with other miscellaneous improvements (such as water and sewer systems, roads, and several hundred hutments). The Seventh Naval District utilized the site for antiaircraft, ordnance, and amphibious landing training. The site remained active until 1946 when its functions were no longer required and/or relocated elsewhere in the United States.
3. The Navy decommissioned the site on 2 February 1946, and disposed of the entire 19,280.48 acres in leasehold and permit by termination notices to the then current owners between February and June of 1946. All the improvements were either removed by the Navy, sold or returned to the then current owners. The terms and conditions of the leases, permits, and termination notices or how many restorations were required are unknown as copies of these instruments could not be located. However, correspondence files indicate some restoration claims were made and paid.

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.

8 July 51

DATE

 W-EN

JOHN F. SOBKE
Major General, USA
Commanding

**REVISED PROJECT SUMMARY SHEET
FOR
DERP-FUDS MMRP/CWM PROJECT NO. I04FL069801
Property No. I04FL0698
Federal Facility ID Number: FL9799F4614
Chemical Warfare Agent Test Area
FT PIERCE NAVAL AMPH BASE
St Lucie County, FL
November 2012 (Revision Date)**

PROJECT DESCRIPTION: This MMRP 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 RI Report dated June 2012, and in accordance with the MMRP Project Realignment and Delineation Form dated 08 August 2012. 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. 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 Chemical Warfare Agent Test Area.

The 26 acre MRS is positioned on the shoreline on South Hutchinson Island centered approximately 2 miles north of Nettles Island. The northern portion encompasses Herman's Bay Beach County Park, a Saint Lucie County park and public beach. The MRS extends south along the beach for approximately 1 mile. Immediately adjacent to the MRS, there is residential development under construction and/or involved in planning.

In January and February 1944 studies were conducted along the shoreline to determine effectiveness of various decontamination methods on beach sand contaminated with Sulfur Mustard (H). Limited amounts of the chemical agent were used in the majority of the tests. The tests were conducted in small plots (typically three square meters in size) over the two-month study period. One test involved the use of 30 one-gallon chemical land mines. These particular mines consisted of a 1 gal container (can), shipped empty and filled on location with the agent. The mines were designed to be initiated by a controlled detonation using a small amount of primcord [Det-cord] and a blasting cap. Detonation of the mines allowed the agent to be dispersed across a 220-foot long by 60-foot wide area between the low and high tide lines.

Test protocols and findings were well-documented. Studies showed that sea water was the most effective decontaminant for beach sands contaminated with mustard agent (H). Findings showed decontamination was successful, with no residual agent (H) in beach sands typically within four days following the tests. Without decontamination, the agent persisted in sands for up to 20 days. After 20 days, the agent degraded enough naturally to no longer be hazardous.

The shoreline has shifted inland by as much as 225 feet from where it was in 1943 and the area where the tests were conducted is now underwater.

No source areas remain for chemical warfare materiel (CWM) or chemical agent (CA) at the CWA Test Area. The Conceptual Site Model developed during the RI reflects incomplete CWM/CA exposure pathways for all human and ecological receptors.

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 of the RI, no additional activities are recommended.

POINT OF CONTACT: Mr. John Keiser, CESAJ-PM-M, (904)232-1758

LEAD REGULATOR: Florida Department of Environmental Protection, Joe McGarrity, (850) 245-8979



Table 29

MRS Priority

DIRECTIONS: In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

Note: An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

EHE Rating	Priority	CHE Rating	Priority	HHE Rating	Priority
		A	1		
A	2	B	2	A	2
B	3	C	3	B	3
C	4	D	4	C	4
D	5	E	5	D	5
E	6	F	6	E	6
F	7	G	7	F	7
G	8			G	8
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive Hazard		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
MRS or ALTERNATIVE PRIORITY				No Known or Suspected Hazard	

**REVISED PROJECT SUMMARY SHEET
FOR
DERP-FUDS MMRP PROJECT NO. I04FL069802
Property No. I04FL0698
Federal Facility ID Number: FL9799F4614
Engineer Board Area
FT PIERCE NAVAL AMPH BASE
Indian River County, FL
November 2012 (Revision Date)**

PROJECT DESCRIPTION: The original MMRP project, Project 01, is revised to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011, and in accordance with the MMRP Project Realignment and Delineation Form. As a result of the MMRP Realignment, Project 02 is added to address the Engineer Board Area MRS. 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 2,013 acre Engineer Board Area MRS is located on North Hutchinson Island in Indian River County Florida. The MRS is south of Vero Beach centered adjacent to Little Starvation Cove. Virtually every acre of the MRS is developed for residential, commercial, or recreation.

The Engineer Board Area was a developed portion of the Ft. Pierce Naval Amphibious Base where beach fortifications were designed and constructed. The Engineer Board activities included support facilities for constructing and emplacing the obstacles. There is no evidence of ordnance storage associated with the MRS, and its mission would not require significant use of ordnance. However, ordnance related operations were conducted along the eastern boundary between 1943 and 1945. Beach fortifications were constructed intermittently along the coastline for destruction by various air and water-borne methods. As part of these beach fortifications, land mines were placed among the rows of barbed-wire and concrete structures. Attacks with bulk explosives, rockets, and aerial bombs were used to test their effectiveness in removing the obstacles and the mines. There were no identified targets positioned within the interior of the MRS. However, MEC has been located in various locations within the interior of the MRS. In 1949, local residents reported finding mines along the North Island beach. In March 1957 an AN-MK, 17 M-I depth bomb was found and detonated in place. A

350-pound bomb and 50 sticks of dynamite were found in the MRS in 1957. These explosives were disposed of by the local police. Additionally, it is reported that incendiary bombs were discovered during the development of the Seagrove Subdivision in the 1970's.

Although clearance and removal actions have occurred, as well as extensive development, munitions and explosives of concern (MEC) and munitions debris (MD) are liable to be found periodically during excavation activities as well as through oceanic disturbances.

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 created 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 time period since the initial investigation, i.e. the ASR and EE/CA (1994 and 1996 respectively) and no evaluation has yet to be conducted for potential Health Hazards associated with MC, further investigation/evaluations is warranted for both MEC and MC.

POINT OF CONTACT: Mr. John Keiser, CESAJ-PM-M, (904)232-1758

LEAD REGULATOR: Florida Department of Environmental Protection, Joe McGarrity, (850) 245-8979

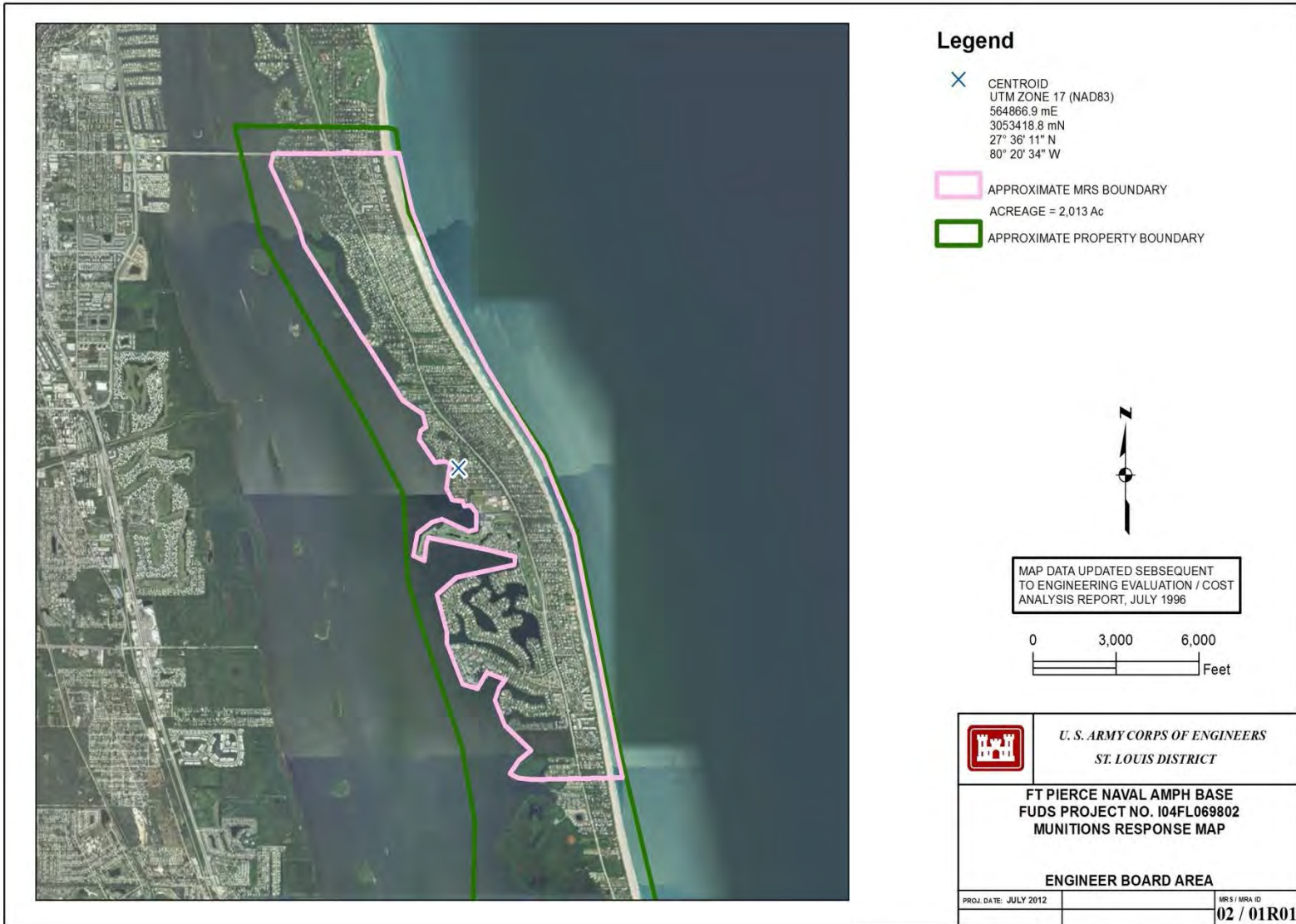


Table 29
MRS Priority

DIRECTIONS: In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

Note: An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

EHE Rating	Priority	CHE Rating	Priority	HHE Rating	Priority
		A	1		
A	2	B	2	A	2
B	3	C	3	B	3
C	4	D	4	C	4
D	5	E	5	D	5
E	6	F	6	E	6
F	7	G	7	F	7
G	8			G	8
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive Hazard		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
MRS or ALTERNATIVE PRIORITY				5	

**REVISED PROJECT SUMMARY SHEET
FOR
DERP-FUDS MMRP PROJECT NO. I04FL069803
Property No. I04FL0698
Federal Facility ID Number: FL9799F4614
Naval Demolition Research Area
FT PIERCE NAVAL AMPH BASE
Indian River and St Lucie Counties, FL
November 2012 (Revision Date)**

PROJECT DESCRIPTION: The original MMRP project, Project 01, is revised to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011, and in accordance with the MMRP Project Realignment and Delineation Form. As a result of the MMRP Realignment, Project 03 is added to address the Naval Demolition Research Area MRS. 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 1,712 acre Naval Demolition Research Area MRS is located on North Hutchinson Island in Indian River and St. Lucie Counties Florida. The MRS is south of Vero Beach centered approximately on Big Starvation Cove.

There is little evidence of munitions storage, use, or disposal in the Naval Demolition Research Unit Area. The mission of this unit is not clearly delineated in historical documentation, although its designation indicates that ordnance use is likely. However, munitions and munitions debris has been discovered in this area since the period of military operations.

"The area was given surface inspections and letter Certificates of Clearance were issued on 16 January 1946 and, again, on 19 October 1946. Since that time, however, there have been found in the area high explosives which have come to light by erosion or otherwise."

Beginning in 1952, operations were undertaken to identify and remove military obstacles and debris from along the shoreline of Naval Demolition Research Area. Five horned scullies were removed from the surf in April 1952. Ten others were located but not removed until July 1952. As part of the latter operation portions of the beach was

scraped with a bulldozer at the water's edge to check for additional debris, but none was encountered.

In 1994, during a property visit in support of the Archive Search Report (ASR) the team found (what is presumed now to be) a 7.2" Inert Rocket Warhead. During a follow-up visit the team learned of a number of Munitions canisters being recovered near the area of the rocket warhead. In addition, reportedly a bomb 2.5 feet in length with three fins was found submerged near one of the horned scullies.

In 1998, a Beach Barrier Removal Project was conducted on portions of this MRS. The removal project Martin Cove to Ft. Pierce Inlet (approximately 9 miles). Nine (9) pounds of high explosives (C-2) was found within scullie related debris along the shoreline.

Nearly every acre of the MRS is developed residentially, commercially, and recreational.

Although clearance and removal actions have occurred, as well as extensive development, munitions and explosives of concern (MEC) and munitions debris (MD) are liable to be found periodically during excavation activities as well as through oceanic disturbances.

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 created 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 time period since the initial investigation, i.e. the ASR and EE/CA (1994 and 1996 respectively) and no evaluation has yet to be conducted for potential Health Hazards associated with MC, further investigation/evaluations is warranted for both MEC and MC.

POINT OF CONTACT: Mr. John Keiser, CESAJ-PM-M, (904)232-1758

LEAD REGULATOR: Florida Department of Environmental Protection, Joe McGarrity,
(850) 245-8979

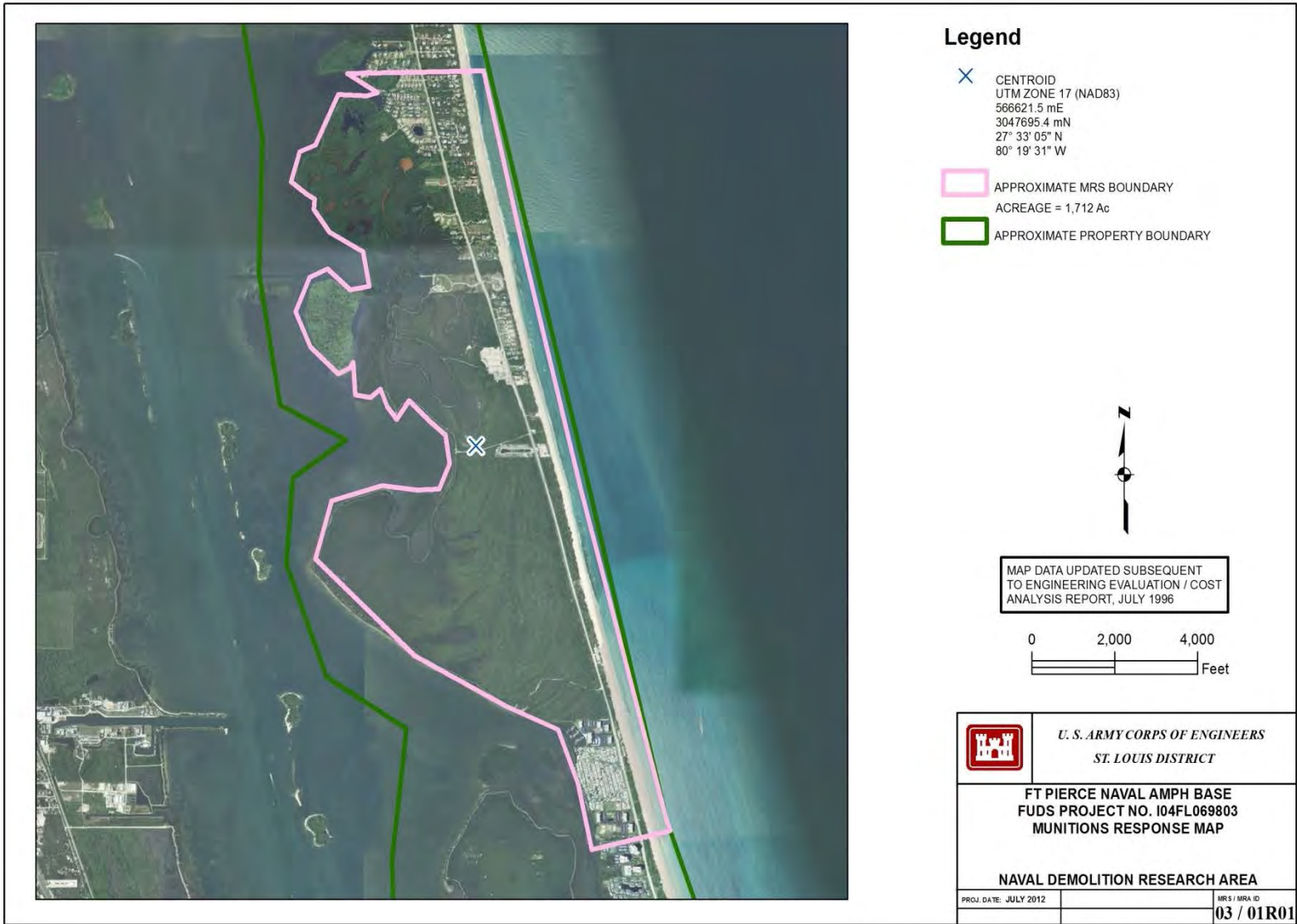


Table 29

MRS Priority

DIRECTIONS: In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

Note: An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

EHE Rating	Priority	CHE Rating	Priority	HHE Rating	Priority
		A	1		
A	2	B	2	A	2
B	3	C	3	B	3
C	4	D	4	C	4
D	5	E	5	D	5
E	6	F	6	E	6
F	7	G	7	F	7
G	8			G	8
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive Hazard		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
MRS or ALTERNATIVE PRIORITY				4	

**REVISED PROJECT SUMMARY SHEET
FOR
DERP-FUDS MMRP PROJECT NO. I04FL069804
Property No. I04FL0698
Federal Facility ID Number: FL9799F4614
Naval Combat Demolition Unit Area
FT PIERCE NAVAL AMPH BASE
St Lucie County, FL
November 2012 (Revision Date)**

PROJECT DESCRIPTION: The original MMRP project, Project 01, is revised to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011, and in accordance with the MMRP Project Realignment and Delineation Form. As a result of the MMRP Realignment, Project 04 is added to address the Naval Combat Demolition Unit Area MRS. 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 800 acre Naval Combat Demolition Unit Area MRS is located on North Hutchinson Island in St. Lucie County Florida; centered approximately 2.5 miles north of Fort Pierce Inlet.

The Naval Combat Demolition Unit (NCDU) was headquarters for the underwater demolition teams. Described in both in the ASR and EE/CA, this area was one of several identified on the North Island where considerable quantities of conventional munitions were stored and used for training. Beach areas around the north Island were subjected to numerous explosive attacks from the land, the sea, and the air. Much of the beach from south of the city of Vero Beach to the Fort Pierce Inlet was used in some fashion for the obstacle removal exercises. The NCDU also included two ammunition storage bunkers and a suspected burial site (aka New Sands Condominiums).

Personnel responsible for base closeout activities stated that munitions from these bunkers were removed and disposed in deep water offshore. There is no indication that the bunkers still exist. The suspected burial site was assessed during the EE/CA field investigation. No evidence of the burial site was found. Speculation is that an area approximately 1 mile to the north may have been the actual burial site noted

historically. Reportedly, approximately 200 inert landmines were found during the construction of a condominium complex.

Records indicate that surface inspections were conducted in 1946. A Letter and a Certificate of Clearance were issued on 16 January 1946 and, again on 19 October 1946.

Although clearance and removal actions have occurred, as well as extensive development, munitions and explosives of concern (MEC) and munitions debris (MD) are liable to be found periodically during excavation activities as well as through oceanic disturbances.

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 created 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 time period since the initial investigation, i.e. the ASR and EE/CA (1994 and 1996 respectively) and no evaluation has yet to be conducted for potential Health Hazards associated with MC, further investigation/evaluations is warranted for both MEC and MC.

POINT OF CONTACT: Mr. John Keiser, CESAJ-PM-M, (904)232-1758

LEAD REGULATOR: Florida Department of Environmental Protection, Joe McGarrity, (850) 245-8979

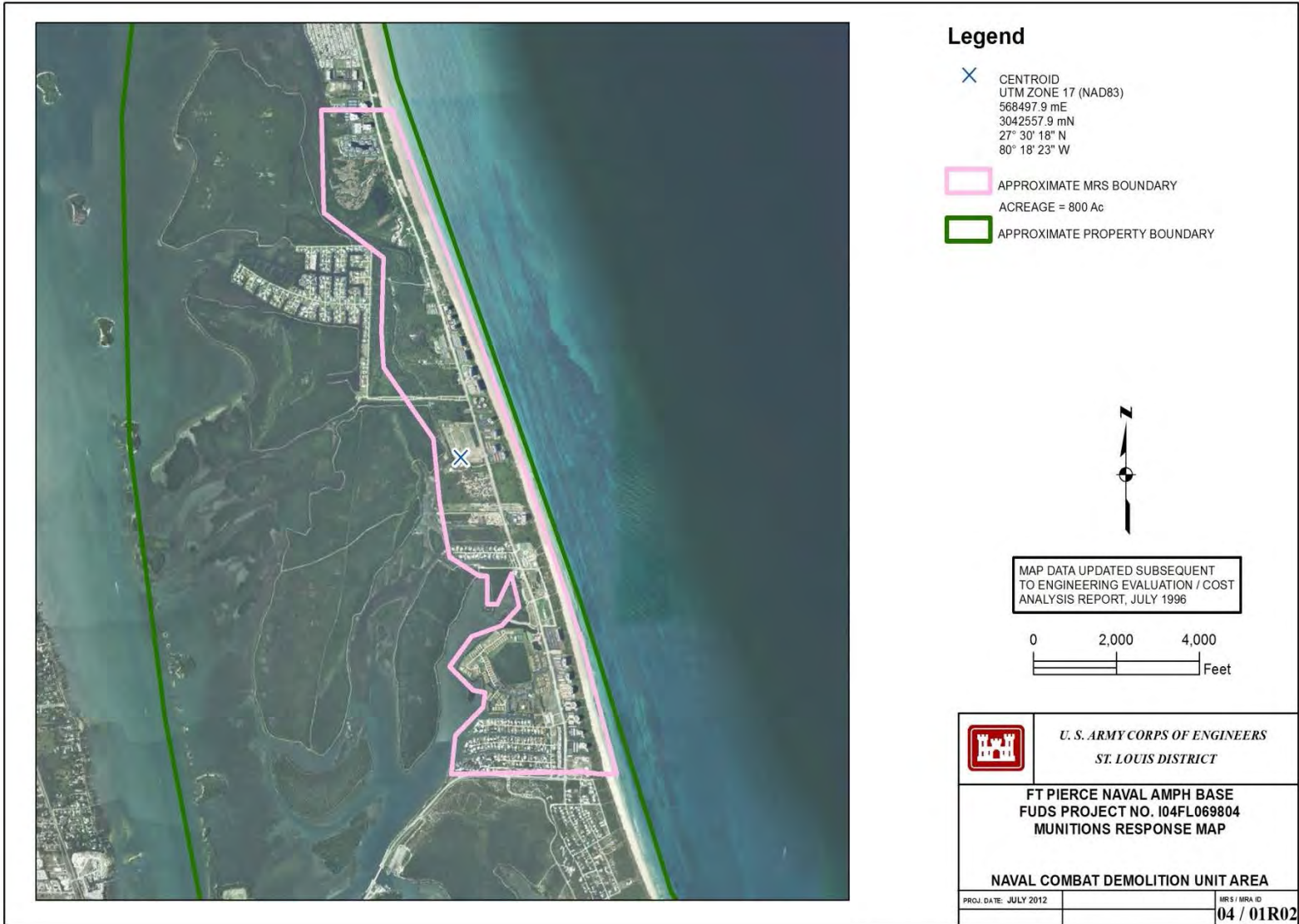


Table 29

MRS Priority

DIRECTIONS: In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

Note: An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

EHE Rating	Priority	CHE Rating	Priority	HHE Rating	Priority
		A	1		
A	2	B	2	A	2
B	3	C	3	B	3
C	4	D	4	C	4
D	5	E	5	D	5
E	6	F	6	E	6
F	7	G	7	F	7
G	8			G	8
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive Hazard		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
MRS or ALTERNATIVE PRIORITY				7	

**REVISED PROJECT SUMMARY SHEET
FOR
DERP-FUDS MMRP PROJECT NO. I04FL069805
Property No. I04FL0698
Federal Facility ID Number: FL9799F4614
Offshore Obstacle Area
FT PIERCE NAVAL AMPH BASE
Indian River and St Lucie Counties, FL
November 2012 (Revision Date)**

PROJECT DESCRIPTION: The original MMRP project, Project 01, is revised to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011, and in accordance with the MMRP Project Realignment and Delineation Form. As a result of the MMRP Realignment, Project 05 is added to address the Offshore Obstacle Area MRS. 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 3,895 acre Offshore Obstacle Area MRS is located off shore along North Hutchinson Island in Indian River and St. Lucie Counties Florida immediately south of Vero Beach.

During 1943, the Joint Army Navy Experimental and Testing Board (JANET) placed beach barriers of concrete and steel in the shallow ocean waters of the project area. Tests were conducted in attempts to breach these barriers using a variety of materiel's to include high explosive demolition materials as well as high explosive filled ammunition. The results of these tests created a debris field stretching for miles along the coast. Barrier removal projects have been conducted over the years, with significant results. Currently, the USACE is addressing the remaining obstacles and debris in an on-going BD/DR Project, Project 00. This Project includes all MEC or MC related issues associated with this 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 created to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011

PROPOSED ACTIVITIES: Currently, the USACE is addressing the remaining obstacles in an on-going BD/DR Project, Project 00. This Project includes all MEC or MC related issues associated with this MRS.

This MMRP Project requires no further action; the project is NDAI'd.

POINT OF CONTACT: Mr. John Keiser, CESAJ-PM-M, (904)232-1758

LEAD REGULATOR: Florida Department of Environmental Protection, Joe McGarrity, (850) 245-8979

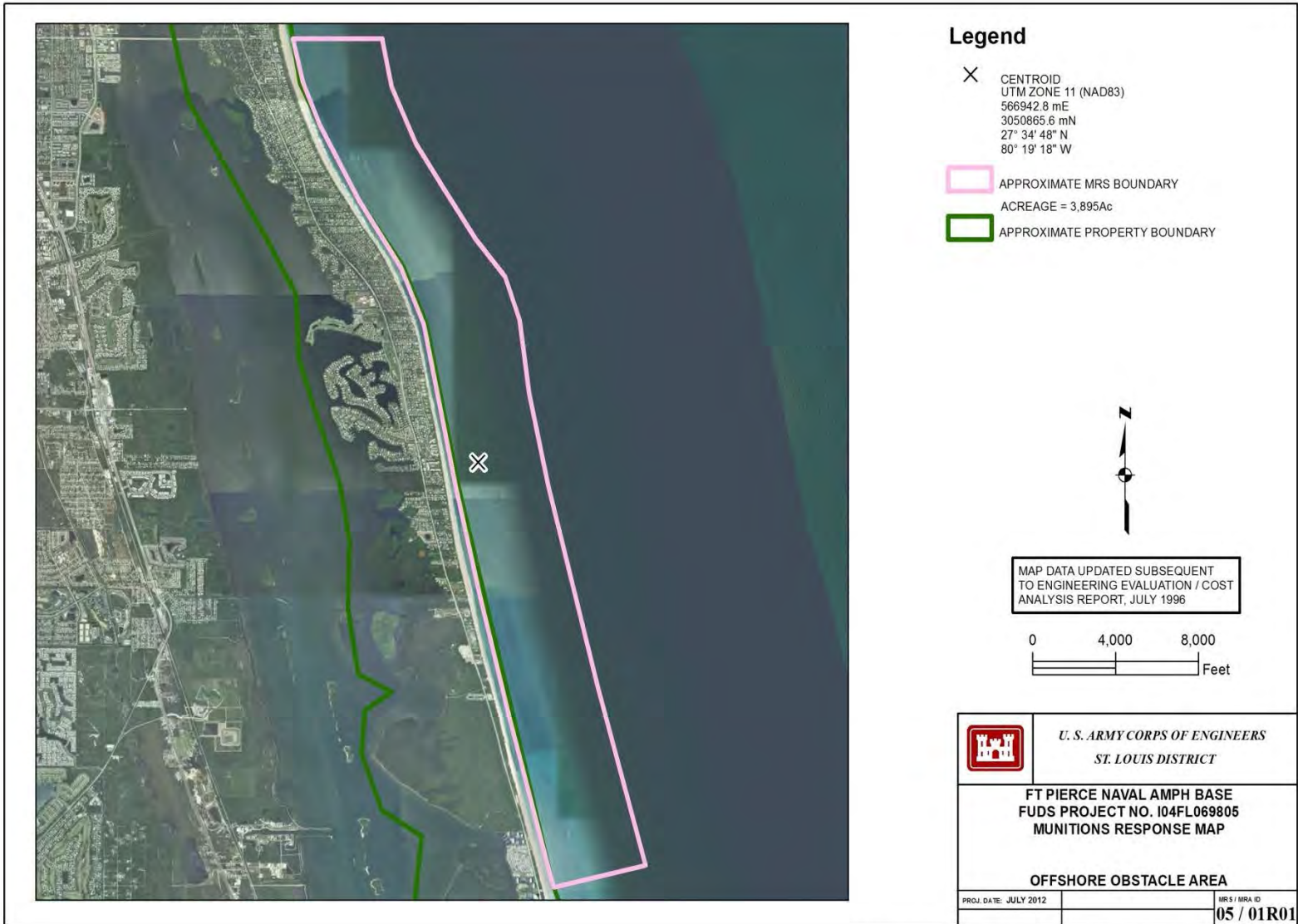


Table 29

MRS Priority

DIRECTIONS: In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

Note: An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

EHE Rating	Priority	CHE Rating	Priority	HHE Rating	Priority
		A	1		
A	2	B	2	A	2
B	3	C	3	B	3
C	4	D	4	C	4
D	5	E	5	D	5
E	6	F	6	E	6
F	7	G	7	F	7
G	8			G	8
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive Hazard		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
MRS or ALTERNATIVE PRIORITY				No Longer Required	

**REVISED PROJECT SUMMARY SHEET
FOR
DERP-FUDS MMRP PROJECT NO. I04FL069806
Property No. I04FL0698
Federal Facility ID Number: FL9799F4614
South Island Bombing Range
FT PIERCE NAVAL AMPH BASE
St Lucie County, FL
November 2012 (Revision Date)**

PROJECT DESCRIPTION: The original MMRP project, Project 01, is revised to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011, and in accordance with the MMRP Project Realignment and Delineation Form. As a result of the MMRP Realignment, Project 06 is added to address the South Island Bombing Range MRS. 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 South Island Bombing Range MRS is located on South Hutchinson Island in St. Lucie County Florida; centered immediately east of Nettles Island.

The MRS was identified as a possible bombing range based on general historical documentation and interpretation of pock marks present in historical aerial imagery. There is no substantiated evidence of this range, and no recorded incident relating to munitions and explosives of concern or munitions debris. The land area associated with the MRS is extensively developed with high-rise condominiums, private residences, and commercial businesses. There was no evidence of previous military activities in the area.

The MRS was excluded from the field investigation conducted in support of the 1996 Engineering Evaluation/Cost Analysis (EE/CA) based on: (1) no reported discoveries of World War II era munitions. (2) landforms modified by dredge and fill. (3) Intensively developed. (4) Sensitive ecological habitats include primary dunes and wetlands the MRS was excluded from the field investigation conducted in support of the 1996 Engineering Evaluation/Cost Analysis (EE/CA). Although MEC may be present in this area, it was determined that further investigation was not warranted, considering the

probability of public exposure to MEC and the difficulty of conducting investigations under current land use conditions.

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 created 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 time period since the initial investigation, i.e. the ASR and EE/CA (1994 and 1996 respectively) and no evaluation has yet to be conducted for potential Health Hazards associated with MC, further investigation/evaluations is warranted for both MEC and MC.

POINT OF CONTACT: Mr. John Keiser, CESAJ-PM-M, (904)232-1758

LEAD REGULATOR: Florida Department of Environmental Protection, Joe McGarrity, (850) 245-8979

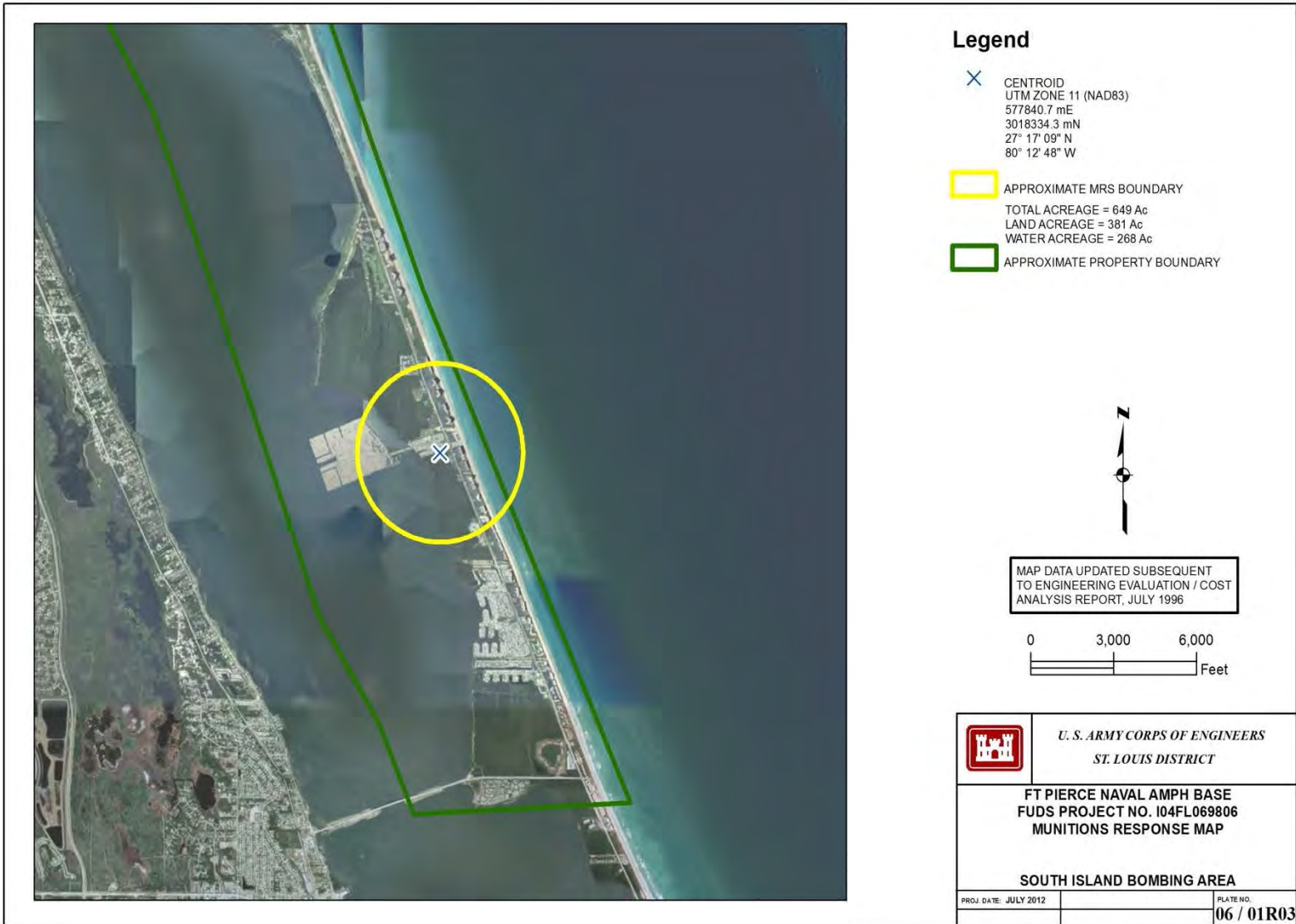


Table 29

MRS Priority

DIRECTIONS: In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

Note: An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

EHE Rating	Priority	CHE Rating	Priority	HHE Rating	Priority
		A	1		
A	2	B	2	A	2
B	3	C	3	B	3
C	4	D	4	C	4
D	5	E	5	D	5
E	6	F	6	E	6
F	7	G	7	F	7
G	8			G	8
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive Hazard		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
MRS or ALTERNATIVE PRIORITY				5	

**REVISED PROJECT SUMMARY SHEET
FOR
DERP-FUDS MMRP PROJECT NO. I04FL069807
Property No. I04FL0698
Federal Facility ID Number: FL9799F4614
Anti-Aircraft Gunnery Range
FT PIERCE NAVAL AMPH BASE
St Lucie County, FL
November 2012 (Revision Date)**

PROJECT DESCRIPTION: The original MMRP project, Project 01, is revised to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated October 1, 2011, and in accordance with the MMRP Project Realignment and Delineation Form. As a result of the MMRP Realignment, Project 07 is added to address the Anti-Aircraft Gunnery Range MRS. 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 combining all MMRP project scopes.

The 25,357 acre Anti-Aircraft Gunnery Range MRS is located on South Hutchinson Island in St. Lucie County Florida; approximately 1.5 miles up the coast from the St. Lucie Power Plant.

The MRS is identified as a multiple use range with both small arms up to and including .50 caliber, and anti-aircraft artillery up to 3-inch. The portion the MRS on land encompasses approximately 192 acres which would include the firing lines and points, ready lines, ammunition issue area, safety/buffer areas, and the administrative area. All firing, to include ground target ranges (i.e. pistol and rifle) and Anti-aircraft guns were established along the coastline with their direction of fire seaward. Impact areas for anti-aircraft weapons are expected to be thousands of yards off shore. Maximum range for these bullets and projectiles (.30 caliber to 3-inch) are approximately 3,450 to 15,300 yards.

The St. Lucie County Park, i.e. Blind Creek Oceanside Park completely engulfs the land portion of the MRS providing full access to the community. Residential homes, and the St. Lucie Power Plant border the park, to the north and south, and both are within .5 miles of MRS boundaries.

Available evidence indicates a low probability of encountering MEC in this area. There's one reference to munitions debris identified in the Archive Search Report. In an interview with a local resident, who said that as a young boy (in the 1950s) he remembers camping on South Island in the area of the firing ranges and finding empty ammunition storage boxes and spent casings.

The MRS was excluded from the field investigation conducted in support of the 1996 Engineering Evaluation/Cost Analysis (EE/CA) based on: (1) No reported discoveries of World War II era munitions. (2) Future development unlikely due to proximity of nuclear power plant. (3) Sensitive ecological habitats include wetlands.

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 created 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 time period since the initial investigation, i.e. the ASR and EE/CA (1994 and 1996 respectively) and no evaluation has yet to be conducted for potential Health Hazards associated with MC, further investigation/evaluations is warranted for both MEC and MC.

POINT OF CONTACT: Mr. John Keiser, CESAJ-PM-M, (904)232-1758

LEAD REGULATOR: Florida Department of Environmental Protection, Joe McGarrity, (850) 245-8979



Table 29

MRS Priority

DIRECTIONS: In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

Note: An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

EHE Rating	Priority	CHE Rating	Priority	HHE Rating	Priority
		A	1		
A	2	B	2	A	2
B	3	C	3	B	3
C	4	D	4	C	4
D	5	E	5	D	5
E	6	F	6	E	6
F	7	G	7	F	7
G	8			G	8
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive Hazard		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
MRS or ALTERNATIVE PRIORITY				6	

MMRP PROJECT REALIGNMENT and DELINEATION FORM (PRDF)

FUDS Property Number: **I04FL0698**

FUDS Property Name: **FT PIERCE NAVAL AMPH BASE**

MMRP Project Phase: **EE/CA**

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: **5**

	Proj. No.	Project Category	Project Name	MMR Area ID - MRS No.	MMR Area Name	MRS Score	Acres
1	01	MMRP	FIRING RANGE COMPLEX AND CWM	I04FL069801R01-1	Beach Obstacle Demolition Area	NA	7620
2				I04FL069801R02-2	Naval Combat Demolition Unit Area		800
3				I04FL069801R03-3	South Island Bombing Area		649
4				I04FL069801R04-4	Range Complex No.1		25357
5				I04FL069801R05-5	CW Material Contamination Beach		26
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
						Total Acres	34,452

(Add additional lines as needed)

7620

FUDS Property Number: I04FL0698	FUDS Property Name: FT PIERCE NAVAL AMPH BASE
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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: [I04FL0698](#) FUDS Property Name: [FT PIERCE NAVAL AMPH BASE](#)

NEW MMRP PROJECT DESIGNATION RECOMMENDATION

Realignment or Delineation? Realignment Delineation

Realignment	Delineation
-------------	-------------

Number of MMR Areas (pre-realignment): 5	Number of MRAs (pre-delineation):
---	-----------------------------------

Number of MRAs (post-realignment): 5	Number of MRAs (post-delineation):
---	------------------------------------

Number of MMRP Projects (MRSs) (post-realignment): 7	Number of MMRP Projects (MRSs) (post delineation):
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<i>(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)</i>	<i>(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.)</i>
--	--

Default Selected?: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Default Selected?: <input type="checkbox"/> YES <input type="checkbox"/> NO
--	---

	Proj. / MRS Number	Project Category	Project / MRS Name	MRA ID	MRA Name	Next Phase	MEC	MC	MRS Score	Acres
1	01	MMRP/CWM	Chemical Warfare Agent Test Area	01R05	Chemical Warfare Agent Test Area	NA	N	N	NKSH	26
2	02	MMRP	Engineer Board Area	01R01	Beach Obstacle Demolition Area	SI	Y	U	5	2,013
3	03	MMRP	Naval Demolition Research Area	01R01	Beach Obstacle Demolition Area	SI	Y	U	4	1,712
4	04	MMRP	Naval Combat Demolition Unit Area	01R02	Naval Combat Demolition Unit Area	SI	Y	U	7	800
5	05	MMRP	Offshore Obstacle Area	01R01	Beach Obstacle Demolition Area	NA	Y	U	NLR	3,895
6	06	MMRP	South Island Bombing Range	01R03	South Island Bombing Range	SI	Y	U	5	649
7	07	MMRP	Anti Aircraft Gunnery Range	01R04	Anti Aircraft Gunnery Range	SI	Y	U	6	25,357
8										
9										
10										
11										
12										
13										
14										
15										
16										

Total Acres: **34,452**

(Add additional lines as needed)

FUDS Property Number: I04FL0698	FUDS Property Name: FT PIERCE NAVAL AMPH BASE	
MMRP PROJECT DESIGNATION RECOMMENDATION AUTHORS		
FUDS District PM Name: Frank Araico	Org. Code: CESAJ	Date: 12/6/2012
<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 01 / MRS 01/ MRA ID 01R05 Chemical Warfare Agent Test Area – The Remedial Investigation determined that there is no Chemical Warfare Material (CWM) or Chemical Agent (CA) remaining on this MRS. The conceptual Site Model (CSM) reflects incomplete CWM/CA exposure pathways for all human and ecological receptors at the former CWA Test Area. Since there are no complete exposure pathways, no response action is required. Therefore, the findings of the RI support a No DoD Action Indicated (NDAI) response for the CWA Test Area. The MRSPD denotes an overall score of “No Known or Suspected hazard”.</p> <p>Project 02 / MRS 02 / MRA ID 01R01 Engineer Board Area – This area was a developed portion (support facilities) of the former Ft. Pierce NATB where beach fortifications were designed and constructed. There's no evidence of ammunition storage associated with this MRS, and its mission would not have required significant use of ordnance. However, munitions and explosives of concern (MEC) and munitions debris (MD) have been discovered within this MRS since the period of military use. Although clearance and removal actions have occurred, MEC and MD are liable to be found periodically during excavation activities as well as through erosion and oceanic disturbances. Further investigation is warranted.</p> <p>Project 03 / MRS 03 / MRA ID 01R01 Naval Demolition Research Area - There is little evidence of munitions storage, use, or disposal in the MRS. The mission for this area is not clearly delineated in historical documentation; however, MEC and MD have been discovered within this MRS since the period of military use. Although clearance and removal actions have occurred, MEC and MD are liable to be found periodically during excavation activities as well as through erosion and oceanic disturbances. Further investigation is warranted.</p> <p>Project 04 / MRS 04 / MRA ID 01R02 Naval Combat Demolition Unit Area – The Naval Combat Demolition Unit (NCDU) was headquarters for the underwater demolition teams. Described in both the ASR and EE/CA, this area was one of several identified on the North Island where considerable quantities of conventional munitions were stored and used for training. Beach areas around the north Island were subjected to numerous explosive attacks from the land, the sea, and the air. Much of the beach from south of the city of Vero Beach to the Fort Pierce Inlet was used in some fashion for the obstacle removal exercises. The NCDU also included two ammunition storage bunkers and a suspected burial site (aka New Sands Condominiums). MEC and MD have been discovered within this MRS since the period of military use. Although clearance and removal actions have occurred, MEC and MD are liable to be found periodically during excavation activities as well as through erosion and oceanic disturbances. Further investigation is warranted.</p> <p>Project 05 / MRS 05 / MRA ID 01R01 Offshore Obstacle Area - This MRS consists of the offshore water portion of MRA. All area associated with this MRS are currently included in the BD/DR Project 00. Debris removal, to include the disposition of any MEC or MD encountered is addressed under Project 00. Therefore, no further investigation of this MMRP project is required. For tracking purpose, and accountability for acreage, Project 05 is created, and is NDAI'd (No DoD Action Indicated) with a MRSPD score of “No Longer Required”.</p> <p>Project 06 / MRS 06/ MRA ID 01R03 – South Island Bombing Range – The MRS was identified as a possible bombing range based on general historical</p>		

documentation and interpretation of pock marks present in historical aerial imagery. There are no recorded incidents relating to MEC. The land area associated with the MRS is extensively developed with high-rise condominiums, private residences, and commercial businesses. The MRS was excluded from the field investigation conducted in support of the 1996 Engineering Evaluation/Cost Analysis (EE/CA) based on: (1) no reported discoveries of World War II era munitions, (2) landforms modified by dredge and fill, (3) Intensively developed, and (4) Sensitive ecological habitats include primary dunes and wetlands.

There has been no characterization of this MRS, therefore further investigation is warranted.

Project 07 / MRS 07 / MRA ID 01R04 Anti-Aircraft Gunnery Range – The MRS is identified as a multiple use range with both small arms and artillery, up to and including .50 caliber and 3-inch, respectively. All firing, to include ground target ranges (i.e. pistol and rifle) and Anti-Aircraft guns were established along the coastline with their direction of fire seaward. Impact areas for anti-aircraft weapons are expected to be thousands of yards off shore. The MRS was excluded from the field investigation conducted in support of the 1996 EE/CA based on: (1) No reported discoveries of World War II era munitions, (2) Future development unlikely due to proximity of nuclear power plant, and (3) Sensitive ecological habitats include wetlands.

There has been no characterization of this MRS; therefore, further investigation is warranted.

Explanation of Acreage Changes