



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT CORPS OF ENGINEERS
696 Virginia Road
Concord, MA 01742-2751

CENAE-PP-M

23 May 2014

MEMORANDUM FOR Commander, U.S. Army Corps of Engineers, North Atlantic Division, CENAD-PD-IIS-P (Ravi Ajodah), Fort Hamilton Military Community, 302 General Lee Ave, Brooklyn, New York 11252

SUBJECT: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property No. C02NY0611, FORT JAY, GOVERNORS ISLAND, NY

1. This memorandum, including enclosures, comprises the revised INPR for the Military Munitions Response Program (MMRP) projects at the FORT JAY FUDS property. Enclosure 1 is the 2014 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 C02NY061101 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 is in accordance with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated 01 October 2011, to realign the existing MMRP project into separate MMRP projects as identified in the MMRP 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 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 the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated 01 October 2011. The State of New York was part of the technical project planning team which developed and reviewed the findings of the project site inspection report which contained these potential project revisions.

CENAE-PP-M

23 May 2014

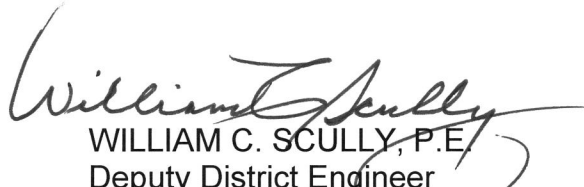
SUBJECT: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property No. C02NY0611, FORT JAY, GOVERNORS ISLAND, NY

5. I recommend that:

a. North Atlantic Division approve the revised and new MMRP Projects.

b. North Atlantic Division forward 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 Heather Sullivan, (978) 318-8543.


WILLIAM C. SCULLY, P.E.
Deputy District Engineer
for Programs and Project Management

5 Encls

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

**REVISED
PROPERTY SURVEY SUMMARY SHEET
FOR
DERP-FUDS PROPERTY NO. C02NY0611
FORT JAY
GOVERNORS ISLAND, NEW YORK County, NY
May 2014 (Revision Date)**

PROPERTY NAME: Fort Jay

LOCATION: Fort Jay is located on Governors Island in New York Harbor. The property is located in the vicinity of Latitude 40° 41' 19" North and Longitude 74° 1' 12" West and is within New York Congressional District 08, US Environmental Protection Agency Region 2, and zip code 10004.

PROPERTY HISTORY: The property containing 204.50 acres, including 31.50 acres of submerged land, was acquired by the US Government by donations from the State of New York in 1800, 1880, 1901 and 1903. From the post 1812 era until WWI, the mission of Fort Jay was the defense of New York Harbor, but it was used also as a recruiting and training center. From WWI until 1965 Fort Jay was the headquarters for the 2nd Corps and later the First Army. The property was improved with approximately 207 administrations, storage, housing and other structures including utilities. In 1965 the First Army terminated activities at Fort Jay. As per General Order on 30 June 1966 the property was discontinued as an Army installation. On 31 July 1966, the Secretary of the Army conveyed Fort Jay to the Secretary of Transportation for the use by the US Coast Guard. The island is currently owned by the National Park Service and the Governors Island Protection and Education Corporation.

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

CATEGORY OF HAZARDS: MMRP

PROJECT DESCRIPTION:

Original Project 01: MMRP. Project 01 was approved 8 February 2006 and included 31.72 acres.

Revised Project 01: MMRP - Small Arms Ranges Complex. Project 01 is revised in accordance with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated 01 October 2011, the recommendations in the Final SI Report dated January 2008, and according to the MMRP Project Realignment and Delineation Form dated 17 June 2009. As a result of the MMRP Realignment, the original MMRP project, Project 01, is now limited to the Munitions Response Site (MRS) identified as Small Arms Ranges Complex. Known or suspected munitions used at the MRS include small arms ammunition. Multiple rounds of .30 and

.45 caliber ammunition have been found in unspecified locations on Governors Island, but no verified small arms were found on the MRS during the ASR or SI field visits. The overall MEC risk is considered to be low. No MC was detected in SI surface soil samples above both background and screening levels.

Project 02: MMRP - Remaining Lands. As a result of the MMRP Realignment, Project 02 is added to address the Remaining Lands. Known or suspected munitions used at the MRS include large caliber HE and practice munitions (including civil war era), hand grenades (riot and smoke), and tear gas. No MEC, MD, or small arms were observed during the SI field visit, but numerous subsurface anomalies were identified throughout the MRS. Historic munition finds since closure include a 3-inch inert shell found behind a building wall during demolition in 1996 and several cannon balls containing black powder found approximately 10 feet below the surface in 1993. Copper was detected above its ecological screening value in one SI surface soil sample; however, based on a weight of evidence evaluation the exceedance did not justify additional MC investigation.


AVAILABLE STUDIES AND REPORTS: Final Site Inspection for Fort Jay - January 2008

Reports and studies are available on the Project Information Retrieval System (PIRS) at <https://fuds-pirs.usace.army.mil/app/index/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: Heather Sullivan, New England District, 978-318-8543

LEAD REGULATOR: New York State Department of Environmental Conservation, Daniel Eaton, 518-402-9621

Recommendation for Signature



WILLIAM C. SCULLY, P.E.
Deputy District Engineer
for Programs and Project Management

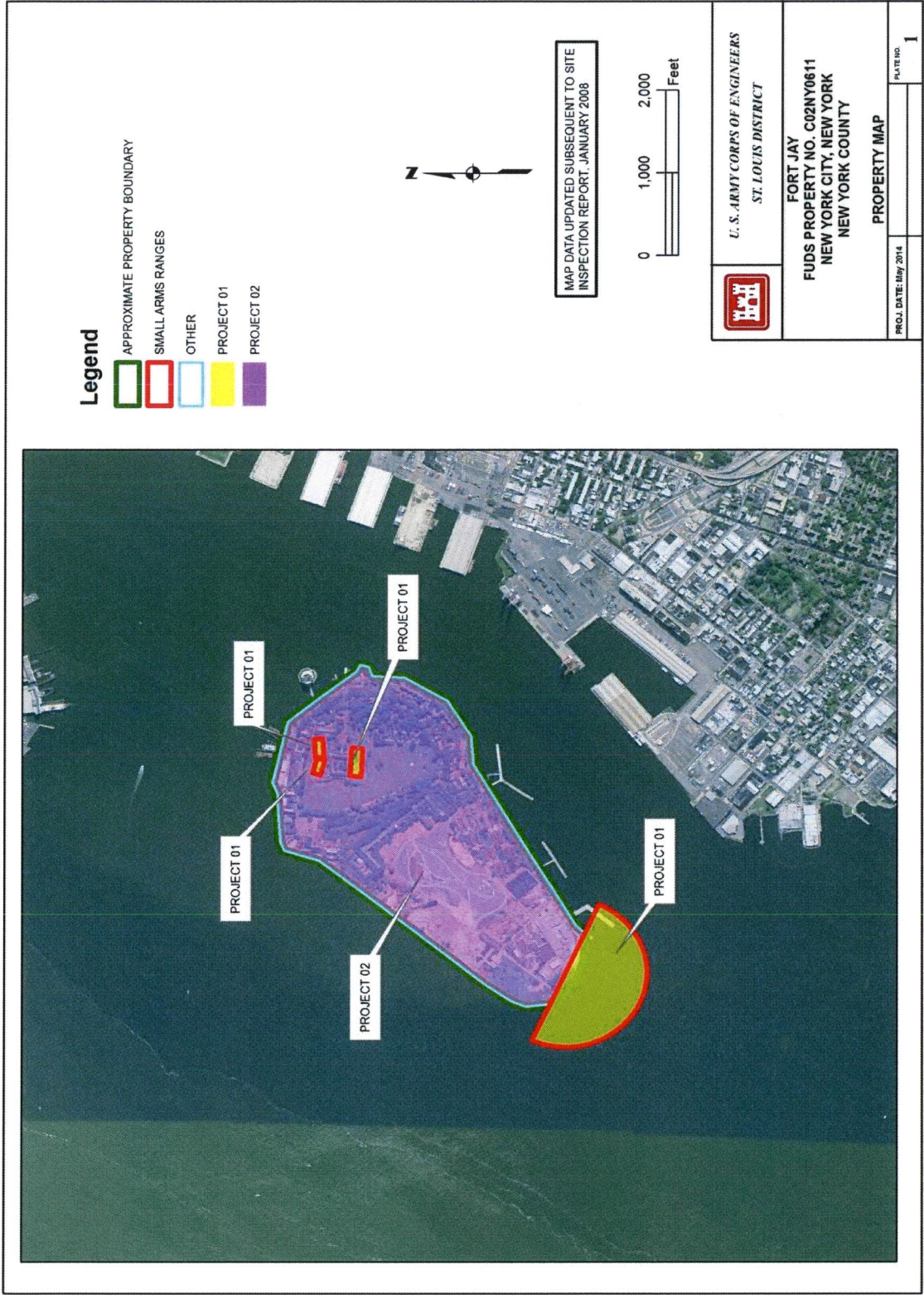


Date

Approval

CELIA B. ORGEL, Ph.D., PMP
Chief, IIEID

Date



**DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
FORMERLY USED DEFENSE SITES
FINDINGS AND DETERMINATION OF ELIGIBILITY
Fort Jay, Governors Island N.Y.C, NY
Site No. CO2NYO611**

FINDINGS OF FACT

1. Fort Jay, situated on Governors Island in New York Harbor consist of 204.50 acres fee including 31.50 acres of submerged land. The original reservation, comprising the whole Governors Island and containing 62.25 acres of land was acquired by the US Government by donation from the State of New York on 15 February 1800. On 26 May 1880, 27 February 1901 and 6 March 1903 adjacent submerged lands were also donated to the United States by the State of New York. Governors Island was expanded to the present area of 173.00 acres by the construction of a sea wall and the filling of intervening space. To clear the title to the 204.50 acres of land, the US Government instituted a friendly condemnation proceeding against the State of New York in 1958.

2. From the post 1812 era until World War I, the mission of Fort Jay was the defense of New York Harbor, but it was used also as an recruiting and training center. From World War I until 1965 Fort Jay was the headquarters for the Army 2nd Corps and later the First Army. The site was improved with approximately 207 administration, storage, housing and miscellaneous structures including utilities and other supporting facilities.

3. On 19 February 1965 as per General Order No. 4 the First Army terminated activities at Fort Jay effective 31 December 1965. As per General Order No. 19 dated 11 May 1966 effective 30 June 1966 the site was discontinued as an Army installation. On 31 July 1966, the Secretary of the Army conveyed Fort Jay to the Secretary of Transportation for exclusive use by the United States Coast Guard.

DETERMINATION

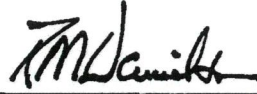
Based on the foregoing findings of fact, the site has been determined to be formerly used by DoD. Therefore, it is eligible for the Defense Environmental Restoration Program for Formerly Used Defense Sites, established under 10 U.S.C. 2701 et seq.

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
FORMERLY USED DEFENSE SITES
FINDINGS AND DETERMINATION OF ELIGIBILITY
Fort Jay, Governors Island N.Y.C, NY
Site No. CO2NYO611

Recommended for Signature:

8 June 92

Date



R. M. DANIELSON
COL, EN
Commanding

Approval:

22 OCT 92

Date



PAUL Y. CHINEN
Brigadier General, USA
Commanding

**REVISED PROJECT SUMMARY SHEET
FOR
DERP-FUDS MMRP PROJECT NO. C02NY061101
Property No. C02NY0611
Federal Facility ID Number: NY9799F1150
Small Arms Ranges Complex
FORT JAY
New York County, NY
May 2014 (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 January 2008, and according to the MMRP Project Realignment and Delineation Form dated 17 June 2009. As a result of the MMRP Realignment, the original MMRP project, Project 01, is now limited to the Munitions Response Site (MRS) identified as Small Arms Ranges Complex.

The 32-acre Small Arms Ranges Complex MRS is located on Governors Island in New York Harbor. The MRS consists of three non-standard ranges (two rifle ranges and a machine gun range) and a skeet range that were a part of Fort Jay between 1800 and 1966. Known or suspected munitions used at the MRS include small arms ammunition (.22, .30 and .45 caliber cartridges, 12 gage shotgun shells). The land comprising the MRS is owned by the National Park Service and the Governors Island Protection and Education Corporation and is used as a national monument and parkland.

Multiple rounds of .30 and .45 caliber ammunition have been found in unspecified locations on Governors Island, but no verified small arms were found on the MRS during the ASR or SI field visits. The overall MEC risk is considered to be low. Seven metals were detected above background concentrations in SI surface soil samples; however, none were associated with past munitions use. Four MC metals were detected above ecological screening values in surface soil samples, but the detected concentrations did not exceed background concentrations.

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 activity 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 01 October 2011.

PROPOSED ACTIVITIES: Per the Final SI Report, no further investigation for MEC or MC is recommended and the project is NDAI'd.

POINT OF CONTACT: Heather Sullivan, New England District, 978-318-8543

LEAD REGULATOR: New York State Department of Environmental Conservation,
Daniel Eaton, 518-402-9621



**REVISED PROJECT SUMMARY SHEET
FOR
DERP-FUDS MMRP PROJECT NO. C02NY061102
Property No. C02NY0611
Federal Facility ID Number: NY9799F1150
Remaining Lands
FORT JAY
New York County, NY
May 2014 (Revision Date)**

PROJECT DESCRIPTION: The original MMRP project, Project 01, 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 January 2008, and according to the MMRP Project Realignment and Delineation Form dated 17 June 2009. As a result of the MMRP Realignment, Project 02 is added to address the Remaining Lands. 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 177-acre Remaining Lands MRS is located on Governors Island in New York Harbor and consists of the remainder of the Fort Jay FUDS land acreage not included in Project 01. Fort Jay was operational between 1800 and 1966 and contained fortifications/batteries, an arsenal, several magazines, firing ranges, and a gas chamber for chemical training with smoke grenades and tear gas. Known or suspected munitions used at the MRS include large caliber HE and practice munitions (including civil war era), hand grenades (riot and smoke), and tear gas. The land comprising the MRS is owned by the National Park Service and the Governors Island Preservation Corporation and is used as a national monument and parkland.

No MEC, MD, or small arms were observed during the SI field visit, but numerous subsurface anomalies were identified throughout the MRS. Historic munition finds since closure include a 3-inch inert shell found behind a building wall during demolition in 1996 and several cannon balls containing black powder found approximately 10 feet below the surface in 1993. While CWM training is documented to have occurred at Fort Jay, research has not uncovered information indicating that these items were not completely used and disposed of. Twenty metals were detected in SI surface soil samples above background levels (native soil and/or fill material), but only two (iron and copper) are considered MC at this MRS. Iron is considered an essential nutrient and was excluded from further consideration. Copper was detected above its ecological screening value; however, based on a weight of evidence evaluation the exceedance did not justify additional MC investigation.

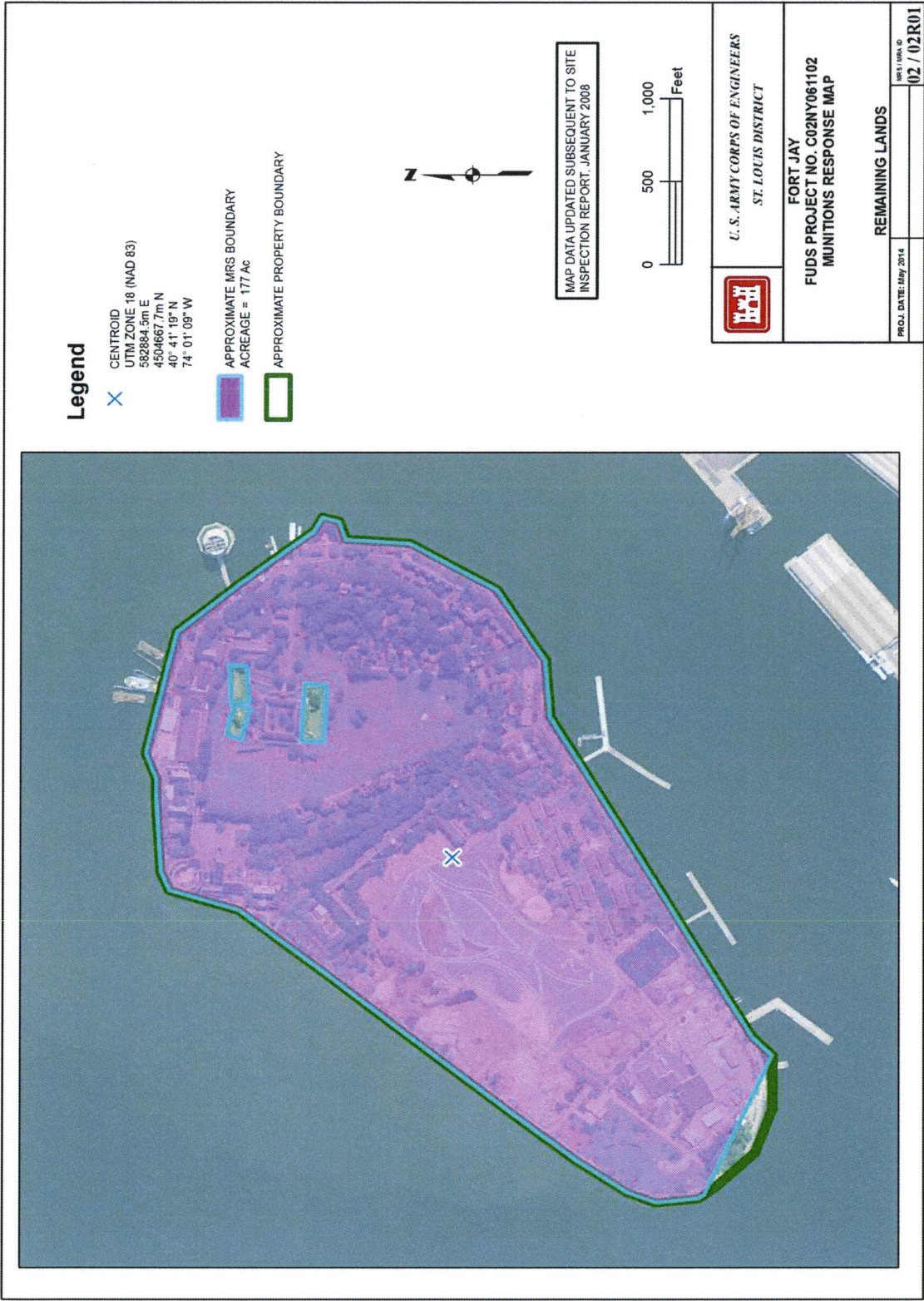
PROJECT ELIGIBILITY: Property was under the jurisdiction of the Secretary and owned by, leased to, or otherwise possessed by the United States at the time of actions leading to contamination by hazardous substances. The property was transferred from DoD's control prior to 17 October 1986. The DoD is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

POLICY CONSIDERATIONS: This project is being created to be consistent with the current USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation dated 01 October 2011.

PROPOSED ACTIVITIES: Per the Final SI Report, further investigation for MEC is recommended. No further investigation for MC is warranted.

POINT OF CONTACT: Heather Sullivan, New England District, 978-318-8543

LEAD REGULATOR: New York State Department of Environmental Conservation, Daniel Eaton, 518-402-9621



MMRP PROJECT REALIGNMENT and DELINEATION FORM (PRDF)						
FUDS Property Number: C02NY0611		FUDS Property Name: FORT JAY				
MMRP Project Phase: Site Inspection		FUDS PM District: CENAE MMDC: CENAB				
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: 4				
Proj. No.	Project Category	Project Name	MMR Area ID - MRS No.	MMR Area Name	MRS Score	Acres
1 01	MMRP	Site Wide	C02NY061101R01-1	Rifle Range #1	N/A	0.43
			C02NY061101R02-2	Rifle Range #2		0.43
			C02NY061101R03-3	Machine Gun Range		0.86
			C02NY061101R04-4	Skeet Range		30
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
					Total Acres:	31.72
(Add additional lines as needed)						

FUDS Property Number: C02NY0611		FUDS Property Name: FORT JAY				
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: C02NY0611		FUDS Property Name: FORT JAY							
NEW MMRP PROJECT DESIGNATION RECOMMENDATION									
Realignment or Delineation? <input checked="" type="checkbox"/> Realignment <input type="checkbox"/> Delineation									
Realignment		Delineation							
Number of MMR Areas (pre-realignment): 4		Number of MRAs (pre-delineation):							
Number of MRAs (post-realignment): 2		Number of MRAs (post-delineation):							
Number of MMRP Projects (MRSSs) (post-realignment): 2		Number of MMRP Projects (MRSSs) (post delineation):							
<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>									
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	Draft MRS Score	Acres
1 01	MMRP	Small Arms Ranges Complex	01R01 (Combined with 01R02, 01R03, & 01R04)	Small Arms Ranges Complex	N/A	N	N	NKSH	32
2 02	MMRP	Remaining Lands	02R01	Remaining Lands	R/I/FS	Y	N	3	177
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
								Total Acres:	209
<i>(Add additional lines as needed)</i>									

FUDS Property Number: C02NY0611		FUDS Property Name: FORT JAY	
MMRP PROJECT DESIGNATION RECOMMENDATION AUTHORS			
FUDS District PM Name: Gregory Goepfert		Org. Code: CENAN-PP-E	Date: 17 June 2009
<p>Justification for MMRP Project Designation Recommendation: <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 Small Arms Ranges Complex (MRA ID 01R01): The Small Arms Ranges Complex MRS is a combination of the former Rifle Range #1 (MRA ID 01R01), Rifle Range #2 (MRA ID 01R02), Machine Gun Range (MRA ID 01R03), and Skeet Range (MRA ID 01R04). These projects are combined based on similar anticipated response and management efficiency. No MEC or MD were found during SI field activities. MC sampling of surface soil revealed no analytes at concentrations above human health screening values, and all analytes detected above ecological screening values remained within the range of background concentrations detected at the Fort Jay FUDS. Per the Final SI Report, no further MEC or MC investigation is recommended.</p> <p>Project/MRS 02 Remaining Lands (MRA ID 02R01): The Remaining Lands MRS includes the remainder of the Fort Jay FUDS land acreage not included in MRS 01. While no MEC or MD were observed during SI field activities, numerous subsurface anomalies were identified. In addition, there have been numerous MEC discoveries documented since the 1940's. In SI surface soil samples, all analytes detected were at concentrations within the range of background levels at the FUDS or did not justify additional studies based upon the weight of evidence. Per the Final SI Report, additional investigation is recommended for MEC; no further MC evaluation is recommended.</p>			
<p>Explanation of Acreage Changes</p> <p>Increase in total acreage reflects the SI's addition of the Remaining Lands MRS; however, there is some discrepancy as to the exact acreage value. For example:</p> <ul style="list-style-type: none"> • SI Figure 1-1, Section 2.2, and Table 2-1 list MRS 02 as 170.39 acres • SI Figure 3-1 lists MRS 02 as 172.78 acres • SI Section 6.5 lists MRS 02 as 169 acres <p>The GIS Contractor data shows the Remaining Lands MRS as 176.7 acres, which will serve as the official acreage (rounded to 177).</p> <p>All other acreage changes are due to rounding.</p>			