



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

CESAD-PDM

10 June 2016

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 Culebra Island, Puerto Rico, Property No. I02PR0068

1. Reference memorandum, CESAJ-PM-M, 8 June 2016, revised INPR, subject: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Culebra Island, Puerto Rico, Property No. I02PR0068
2. South Atlantic Division (SAD) approves the revised Inventory Project Report (INPR) to administratively revise the former MMRP project into Munitions Response Area (MRA)/Munitions Response Site (MRS) definitions currently mandated by the Department of Defense (DoD) and implemented per USACE Handbook on Realignment, Delineation, and MRS Prioritization Protocol Implementation Guidance for FUDS MMRP Realignment v. 1.0.2, dated 1 October 2011. This is an administrative change to proposed one new MMRP project as follows: "Project 16 (MMRP) – NWP Congressionally Authorized Areas". Enclosure 1 is the Property Survey Summary Sheet. Enclosure 2 is the property map. The revised Findings and Determination of Eligibility for this property, approved in 2005, which is included as Enclosure 3, was originally approved in 1991. Enclosure 4 contains the INPR Checklist. Enclosure 5 is the Executive Summary of the Abbreviated Preliminary Assessment Report for the Specific Congressionally Authorized Areas within the Northwest Peninsula of Culebra, Culebra, Puerto Rico.
3. Approval of this additional project is based upon information from the Revised Inventory Project Report (INPR) for I02PR0068, Project 16 (MMRP) – NWP Congressionally Authorized Areas received from the Jacksonville (SAJ) District on 8 June 2016.
4. This revision does not change the basic footprint of the property or scope of the project. This revised INPR has been coordinated with the Puerto Rico Department of Environmental Quality (EQB).

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5. Overall project management of this property is the responsibility of 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.
6. Questions concerning this action should be directed to the SAD DERP-FUDS Program Manager, Mr. Michael Riegert, CESAD-PDM, (404) 562-5230.

FOR THE COMMANDER:



TORKILD P. BRUNSO, P.E.  
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 BOULEVARD  
JACKSONVILLE, FLORIDA 32207-8175

MEMORANDUM FOR Commander, South Atlantic Division, ATTN: CESAD-PD-M (Michael Riegert), 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 Culebra Island, Puerto Rico, Property No. I02PR0068

1. Reference Engineer Regulation (ER) 200-3-1, Environmental Quality, Formerly Used Defense Sites (FUDS) Program Policy, Department of the Army, U.S. Army Corps of Engineers, Washington, D.C., 20314, 10 May 2004.
2. This memorandum, including enclosures, comprises the revised INPR for the subject DERP-FUDS property. The Property Survey Summary Sheet is included as Enclosure 1. A map of the property is included as Enclosure 2.
3. The revised Findings and Determination of Eligibility for this property, approved in 2005, which is included here as Enclosure 3, was originally approved in 1991. The property was determined to be eligible for inclusion into the FUDS Program.
4. INPR Checklist is included as Enclosure 4.
5. An Executive Summary (ES) of the Abbreviated Preliminary Assessment Report for the Specific Congressionally Authorized Areas within the Northwest Peninsula of Culebra, Culebra, Puerto Rico is included as Enclosure 5.
6. Existing Military Munitions Response Program (MMRP) Projects are not being revised; however, a new Munitions Response Area (MRA) and MMRP Project are being added. A Project Summary Sheet and Map for the new MMRP project are included as Enclosure 6. Munitions Response Site Prioritization Protocol (MRSPP) worksheets for the Munitions Response Site (MRS) will be submitted for Environmental and Munitions Center of Expertise (EMCX) review via the Formerly Used Defense Sites Management Information System (FUDSMIS).
7. A copy of the draft revised INPR has been provided to Puerto Rico Environmental Quality Board (EQB).
8. Based on historical documents and found ordnance items, a Munitions and Explosives of Concern (MEC) potential exists on the proposed project associated with the former Culebra Island FUDS. It is determined that the MMRP project is eligible for additional investigation under DERP-FUDS.

CESAJ-PM-M

SUBJECT: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Culebra Island, Puerto Rico, Property No. I02PR0068

9. The following is the proposed additional project for this property:

**Project 16 (MMRP) – NWP Congressionally Authorized Areas:** Historical maps, textual references, and found ordnance confirm the establishment and use of the Northwest Peninsula as a naval gunnery and bombardment area.

10. I recommend that:

a. South Atlantic Division approves the new MMRP Project 16.

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

11. Please contact me directly if I can be of further assistance. Detailed information desired by your staff can be obtained by contacting Mr. John Keiser at [john.e.keiser@usace.army.mil](mailto:john.e.keiser@usace.army.mil) or (904) 232-1758.



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

Encl

CESAJ-PM-M

SUBJECT: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Culebra Island, Puerto Rico, Property No. I02PR0068

1. Property Survey Summary Sheet
2. Property Map
3. Findings and Determination of Eligibility
4. INPR Checklist
5. Executive Summary
6. Project Summary Sheet and Map

**PROPERTY SURVEY SUMMARY SHEET (Revised)**  
**FOR**  
**DERP-FUDS PROPERTY NO. I02PR0068**  
**Culebra Island, Puerto Rico**  
**9 May 1991 (Original)**  
**June 2005 (Revised)**  
**May 2016 (Revised)**

**SITE NAME:** Culebra Island, Puerto Rico

**LOCATION:** Culebra Island is located approximately 17 miles east of the island of Puerto Rico in the vicinity of latitude/longitude coordinates 18° 19' north and 65° 17.5' west.

**SITE HISTORY:** The US Government acquired property on Culebra beginning in 1903. The Navy initially used portions of the island as a coaling and communications station. The Marines also conducted some training there. Beginning in 1914 the Marine Corps started using the island and the surrounding cayos (small islands) for landing exercises, maneuvers, and ordnance training. These Marine operations were repeated in 1922 and 1924. Large scale fleet landing exercises (FLEX) in these same areas, involving both the Navy and Marine Corps, were initiated in 1934 and continued until shortly after World War II. The Navy primarily used the Northwest Peninsula for ship gunnery training, while the Marines trained on the remainder of the property.

During the Vietnam era the Navy continued to use the island and surrounding cayos for both ship and aerial ordnance training. Navy operations were terminated in 1975 and the property was eventually transferred to the Department of the Interior, US Fish and Wildlife Service (USFWS), the Puerto Rico Department of Natural Resources, the Puerto Rico Ports Authority, the municipality of Culebra, and the Department of Housing, Commonwealth of Puerto Rico.

**SITE VISIT:** The initial site visit was conducted in 1991 by Mr. Ivan Acosta, CESAJ-PD-EE, and Mr. Henry Morales, USFWS National Wildlife Refuge representative. Mr. Morales is a native of the island and is familiar with the affected areas. A letter from Mr. Kelly Wolcott, Refuge Manager, describing the areas of concern was also provided. Numerous site visits have been conducted since that time by USACE personnel as well as government contractors.

**CATEGORIES OF HAZARDS:** MMRP, COMM REL, and HTRW.

**PROJECT DESCRIPTION:**

**Project 00 (HTRW) - US NAVY HQ / MAINT. AREA:** This is the original HTRW project for this property. It was approved on 01 Feb 1992. This revised INPR does not address this project.

**Project 01:** Not used

**Project 02 (MMRP) - Cerro Balcon and Cayos:** This is the original MMRP project for this property that was approved on 24 Dec 1991. It was updated as a result of MMRP Realignment on 11 Sep 2007. This revised INPR does not address this project.

**Project 03 (MMRP) - Flamenco Bay Water Area:** This project was originally approved on 19 Sep 2005 and updated as a result of MMRP Realignment on 11 Sep 2007. This revised INPR does not address this project.

**Project 04 (MMRP) - Flamenco Lagoon Maneuver Area:** This project was originally approved on 19 Sep 2005 and updated as a result of MMRP Realignment on 11 Sep 2007. This revised INPR does not address this project.

**Project 05 (MMRP) - Combat and Mortar Range Area:** This project was originally approved on 19 Sep 2005 and updated as a result of MMRP Realignment on 11 Sep 2007. This revised INPR does not address this project.

**Project 06 (MMRP) - Artillery Firing Area:** This project was originally approved on 19 Sep 2005 and updated as a result of MMRP Realignment on 11 Sep 2007. This revised INPR does not address this project.

**Project 07 (MMRP) - Culebrita Artillery Impact Area:** This project was originally approved on 19 Sep 2005 and updated as a result of MMRP Realignment on 11 Sep 2007. This revised INPR does not address this project.

**Project 08 (MMRP) - Cayo Norte Impact Area:** This project was originally approved on 19 Sep 2005 and updated as a result of MMRP Realignment on 11 Sep 2007. This revised INPR does not address this project.

**Project 09 (MMRP) - Soldado Point Mortar and Bombing Areas:** This project was originally approved on 19 Sep 2005 and updated as a result of MMRP Realignment on 11 Sep 2007. This revised INPR does not address this project.

**Project 10 (MMRP) - Defensive Firing Area #1:** This project was originally approved on 19 Sep 2005 and updated as a result of MMRP Realignment on 11 Sep 2007. This revised INPR does not address this project.

**Project 11 (MMRP) - Defensive Firing Area #2:** This project was originally approved on 19 Sep 2005 and updated as a result of MMRP Realignment on 11 Sep 2007. This revised INPR does not address this project.

**Project 12 (MMRP) - Luis Peña Channel Water Areas:** This project was originally approved on 19 Sep 2005 and updated as a result of MMRP Realignment on 11 Sep 2007. This revised INPR does not address this project.

**Project 13 (MMRP) - Cayo Luis Pena Impact Areas:** This project was originally approved on 19 Sep 2005 and updated as a result of MMRP Realignment and approved on 11 Sep 2007. This revised INPR does not address this project.

**Project 14 (MMRP) - Airport and Camp Area:** This project was originally approved on 19 Sep 2005, updated as a result of MMRP Realignment on 11 Sep 2007, and achieved response complete (RC) on 5 February 2009. This revised INPR does not address this project.

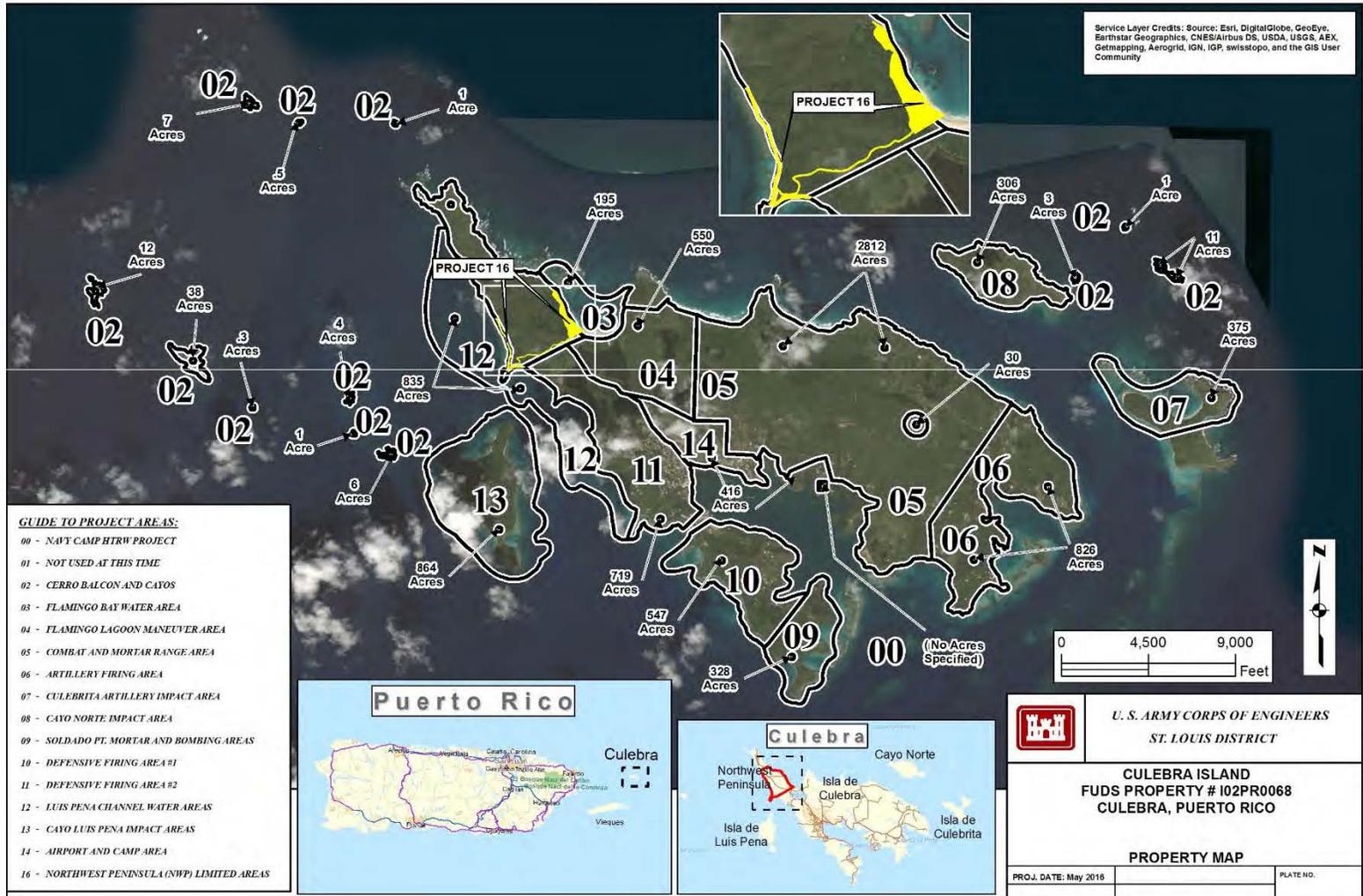
**Project 15 (COMM/REL) - RAB:** The Restoration Advisory Board was approved on 01 July 2004. This revised INPR does not address this project.

**Project 16 (MMRP) - NWP Congressionally Authorized Areas:** Public Law (PL) 93-166, Section 204 (29 Nov 1973) required that the bombardment area on Culebra Island shall not be utilized for any purpose that would require decontamination at the expense of the United States and that the land could only be used for public park or recreational purposes. PL 111-383, Section 2815 (07 Jan 2011) required the Secretary of Defense to assess the former bombardment area for certain unexploded ordnance conditions that might pose a threat to public health and safety and the environment. Subsequent to the completion of this assessment, PL 113-291 Section 317 (19 Dec 2014) was enacted, which stated that it is the sense of Congress that certain limited portions of the former bombardment area on Culebra Island should be available for safe public recreational use while the remainder of the area is most advantageously reserved as habitat for endangered and threatened species. Those limited portions include those parts of Flamenco and Tamarindo Beaches located inside the former bombardment area and the entire areas of the Flamenco Campground, Carlos Rosario Trail, and Carlos Rosario Beach. Project 16 is created to address the Munitions and Explosives of Concerns (MEC) hazards remaining in those limited portions of the former bombardment area.

**AVAILABLE STUDIES AND REPORTS:** Reports and studies are available at the District Office and on FRMD (FUDS Records Management Database) at <https://frmd.usace.army.mil/frip/app/index.cfm>

**POINT OF CONTACT:** Jacksonville District, John Keiser, FUDS Program Manager, (904) 232-1758.

**LEAD REGULATOR:** Ms. Gloria Toro Agrait, Environmental Permits Officer, Puerto Rico Environmental Quality Board, (787) 833-1188.



**Defense Environmental Restoration Program  
For Formerly Used Defense Sites  
Findings and Determination of Eligibility  
(Original 24 Dec 1991)  
(Revised June 2005)**

**Culebra, Puerto Rico**

**Site No. I02PR0068**

**FINDINGS OF FACT**

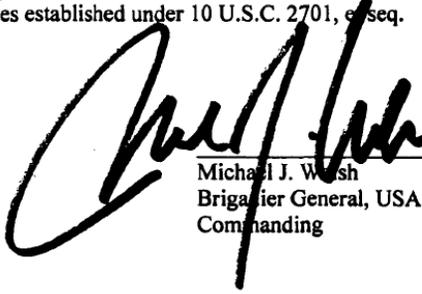
1. Between 1903 and 1964, the United States acquired 2747.12 acres of land on Culebra Island (2067.8 acres fee), Culebrita Island (266.0 acres fee), Luis Pena Cay (342.5 acres fee), Water Cay (7 acres fee) and the adjacent cayos (63.82 acres leased), for a bombing and gunnery range and auxiliary airfield for the Navy. The United States acquired fee title to 2135 acres of land from Spain (1785.5 acres on Culebra Island, the 342.5 acres on Luis Pena Cay, and the 7 acres on Water Cay). These lands were transferred to the Navy by Presidential Proclamation of 26 June 1903. The Navy acquired 13.83 acres by purchase in 1903 and 268.47 by donation in 1939, all on Culebra Island. In the early 1940s, 265.59 acres of fee land Culebrita Island and Ladrone Cay were transferred to the Navy from the Coast Guard; 63.82 acres were acquired by leases for the Navy on adjacent cayos; and 0.41 of an acre on Culebrita Island was acquired by permit from the Coast Guard.
2. The lands were part of the U.S. Naval Station, Culebra Island, Puerto Rico and were utilized by the Navy as a coaling station, training area, auxiliary airport, weapons range, and bombing and gunnery range. The Navy constructed various improvements including a range operation center, maintenance sheds, helicopter landing pad, security fencing, warehouses, storage tanks, septic tanks, water distribution building, pumping stations, housing, and an auxiliary landing field including runways, taxiways, etc. Parts of the property (approximately 990 acres on Culebra Island) were utilized by others by virtue of outgrants from the Navy, prior to the Navy declaring the property as excess. The remainder of the property was under Department of Defense (DoD) control during the period of DoD ownership.
3. The Navy terminated the leases on the 63.82 acres on the adjacent cayos in 1972 and returned the property to the then current owners. The terms and conditions of the leases and termination notices or any restoration requirements are unknown as copies of those instruments could be located. On 5 July 1972, the Navy reported 1089.80 acres of the site excess to the General Services Administration (GSA). On 19 May 1976, the Navy reported an additional 1501.5 acres excess to GSA. On 28 March 1976, the Navy transferred 4.09 acres on Culebrita Island to the Coast Guard and terminated the permit from the Coast Guard comprising 0.41 of an acre located on Culebrita, which is still utilized by the Coast Guard. The Navy retained and still utilized 87.5 acres on Culebra Island that was only recently declared excess and is currently being transferred to the Department of the Interior.

4. The Lands reported excess to GSA were disposed of as follows:
- a. The Navy (at the direction of GSA) transferred 611 acres (342.5 acres on Luis Pena Cay, 261.5 acres on Culebrita Island, and 7 acres on Water Cay) and 776.35 acres on Culebra Island, together with all improvements, to the Department of Interior, Fish and Wildlife Service (FWS) on 23 March 1978 and 15 September 1980, respectively. All 1387.5 acres transferred to the FWS comprise the Culebra Island National Wildlife Refuge.
  - b. By quitclaim deed dated 7 February 1980, GSA conveyed fee title to 79.73 acres to the Puerto Rico Ports Authority on Culebra Island for public airport purposes. The deed contained a recapture and reverter clause and was subject to existing easements for public highways, roads, utilities, etc. This property is utilized as a public airport.
  - c. By quitclaim deed dated 11 August 1982, the United States of America, through the Secretary of the Interior, conveyed 935.98 acres to the Commonwealth of Puerto Rico on Culebra Island. The deed contained a reverter clause and other restrictions that the bombardment area composed of 644.99 acres would be utilized only for a public park or public recreational purposes. The deed contained language that the Commonwealth agreed to accept the bombardment area in its present condition, that the United States would not be held responsible for decontamination, and that the United States would be held harmless from any and all claims, demands, actions, etc., arising from any person's use of or presence on the property. This property is utilized for park purposes.
  - d. By quitclaim deed dated 24 February 1984, GSA conveyed 32.34 acres to the Department of Housing, Commonwealth of Puerto Rico on Culebra Island which is now public housing. The deed contained no restrictions, reverter, recapture clauses.
  - e. By quitclaim deed dated 29 April 1988, GSA conveyed 155.9 acres on Culebra Island to the Municipality of Culebra, Puerto Rico. This deed contained no warranties, recapture or reverter clauses, but was subject to existing easements for public highways, roads, utilities, etc., and contained a hold harmless clause in favor of the United States. The site is being utilized for city facilities and is under development as a port.
5. Besides the areas mentioned above that were purchased or leased by the Navy, additional lands were used by the US Marine Corps starting as early as 1914. The Marine Corps used the land for large scale maneuvers and ordnance training exercises. Beginning in 1924 the Marine Corps leased most of the private property on Culebra, other than the town of Dewey, for these exercises. In June 1937 the 1<sup>st</sup> Marine Brigade, Fleet Marine Force began preparations for the acquisition of property for the 1938 Fleet Landing Exercise #4. These preparations culminated in December 1937 when the Commanding Officer of the Naval Aviation and Facilities, St. Thomas, Virgin Islands that the government leases for all privately owned leases on the island of Culebra had been secured.

**DETERMINATION**

Based on the foregoing Findings of Fact, the site, except for 87.5 acres recently transferred from the control of the Navy, 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 U.S.C. 2701, et seq.

19 Sep 05  
Date



Michael J. Walsh  
Brigadier General, USA  
Commanding

**Inventory Project Report (INPR) Checklist**  
**(Use space at bottom of this worksheet for continuation)**

|   |                                |                       |  |
|---|--------------------------------|-----------------------|--|
| <b>Checklist Preparer:</b>  |                                | Date: 17 May 2016     |  |
| Name: Pedro A. Rosario González   |                                | Title: Civil Engineer |  |
| District: St. Louis   | Phone Number: (314) 925-5100   |                       |  |
| Email address: pedro.a.rosario-gonzalez@usace.army.mil  |                                |                       |  |
| <b>Property information:</b>  |                                |                       |  |
| Property Name: Culebra Island   |                                | Property #: I02PR0068 |  |
| Previous Names, if any:   |                                |                       |  |
| Former Service: U.S. Navy   |                                |                       |  |
| Property Location (Section, Township, Range): N/A   |                                |                       |  |
| Street: Culebra and its surrounding smaller islands (cayos) are located about 17 miles east of the main island of Puerto Rico.  |                                |                       |  |
| City: Culebra   | County: N/A                    | State: PR             |  |
| Latitude (D/M/S): 18° 19' N   | Longitude (D/M/S): 65° 17.5' W |                       |  |
| Current Use (residential, commercial, etc.): Recreational.  |                                |                       |  |
| <b>Primary Property Owner Information</b> (address multiple owners in Comments):  |                                |                       |  |
| Name: The Southern Portion of NWP and Flamenco Beach are managed by the ACDEC for recreational use. Current land use is recreational within the Flamenco, Carlos Rosario and Tamarindo beach areas and Flamenco Campground area. It is anticipated as per PL 93-166, the NWP area shall be used only for recreational purposes. The Commonwealth of Puerto Rico anticipates a future development of ecologically friendly camping facilities north of the Flamenco Campground area. They also anticipate establishing hiking trails within various portions of the Southern Portion of NWP. |                                |                       |  |
| Address (if other than above):  |                                |                       |  |
| Street:   |                                |                       |  |
| City:   |                                |                       |  |
| Phone Number: N/A   | County: N/A                    | State:                |  |

**Indicate the status of the following checklist items in determining the completeness of the INPR. Provide a narrative in the comments section below to explain, and keyed to, the shaded boxes checked:**

|                                     |  | Yes | No | NA |
|-------------------------------------|--|-----|----|----|
| <b>Property Document Search:</b>    |  |     |    |    |
| <input checked="" type="checkbox"/> | Were the following records available and used in the preparation of the INPR?                      |     |    |    |
| 1                                   | Archive records  | X   |    |    |
| 2                                   | Site maps, including facility as-built drawings  | X   |    |    |
| 3                                   | Aerial or ground photographs   | X   |    |    |
| 4                                   | Prior studies, documents, reports, property contamination records, or public/private sampling data | X   |    |    |
| 5                                   | Compliance orders issued to current or past owners/operators                                       |     | X  |    |
| 6                                   | Real estate records, deeds, or property transfer records   | X   |    |    |
| 7                                   | Local historical societies and public libraries  |     | X  |    |

Indicate the status of the following checklist items in determining the completeness of the INPR. Provide a narrative in the comments section below to explain, and keyed to, the shaded boxes checked:

|    |  | Yes | No | NA |
|----|--|-----|----|----|
| 8  | EPA/State environmental records or reports | x   |    |    |
| 9  | EOD incident reports                       | x   |    |    |
| 10 | Other documentation                        | x   |    |    |

Indicate the status of the following checklist items in determining the completeness of the INPR. Provide a narrative in the comments section below to explain, and keyed to, the shaded boxes checked:

|                                     |  | Yes | No | NA |
|-------------------------------------|--|-----|----|----|
| <b>Property Visit:</b>              |  |     |    |    |
| <input checked="" type="checkbox"/> | Indicate whether the following have been contacted and interviewed to obtain information.  |     |    |    |
| 11                                  | Current landowner(s)   | x   |    |    |
| 12                                  | Neighbors  |     |    | x  |
| 13                                  | Previous landowner(s)  |     |    | x  |
| 14                                  | Prior employee(s)  |     |    | x  |
| 15                                  | Federal agencies, including regulatory agencies  |     |    | x  |
| 16                                  | State agencies, including regulatory agencies  |     |    | x  |
| 17                                  | Local agencies, including regulatory and law enforcement agencies  |     |    | x  |
| 18                                  | Other available sources  |     |    | x  |
| 19                                  | Was access to the property possible (right of entry provided by landowner)?  |     |    | x  |
| 20                                  | Was the property physically visited?   | x   |    |    |
| 21                                  | Was access sufficient to allow for a thorough property inspection?   |     |    | x  |
| 22                                  | Was access sufficient to identify potential hazards requiring a project?   |     |    | x  |
| 23                                  | Did regulatory agencies accompany USACE on the property visit?   |     |    | x  |
| 24                                  | Did the landowner accompany USACE on the property visit?   |     |    | x  |
| 25                                  | Was there evidence of a release of hazardous material or use/disposal of military munitions during DoD control?  | x   |    |    |
| 26                                  | Was there evidence of a release of potential DoD hazardous material into a public or private drinking water supply? <sup>1</sup>   |     |    | x  |
| 27                                  | Is there evidence of a release into a public or private drinking water supply due to deterioration of the system through ordinary use? <sup>2</sup>                                      |     |    | x  |
| 28                                  | Is there evidence of a release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures? <sup>2</sup> |     |    | x  |
| 29                                  | Is some other program actively involved with the property (i.e., another Federal, state, or tribal program)?   |     |    | x  |

<sup>1</sup> This can be determined by reviewing public water supply sampling data. Provide discussion of how it was determined to be release due to DoD activities rather than by current or past owners/operators.

<sup>2</sup> This question is from the EPA Pre-CERCLIS Screening Assessment Checklist/Decision Form, EPA-540-F-98-039 "Improving Site Assessment: Pre-CERCLIS Screening Assessments."

Indicate the status of the following checklist items in determining the completeness of the INPR. Provide a narrative in the comments section below to explain, and keyed to, the shaded boxes checked:

|   |   | Yes | No | NA |
|---|---|-----|----|----|
| 30  | Is there evidence that activities by non-DoD parties at the property may be the source of potential contamination?                      |     |    | X  |
| 31  | Was information on hazards found at similar types of FUDS properties considered in identifying potential hazards at this property?      |     |    | X  |
| 32  | Were site maps compared to actual conditions during the site visit?   |     |    | X  |
| 33  | Were photographs taken?   |     |    | X  |
| 34  | Were property owners advised to contact USACE if evidence of potential hazards is found later?  |     |    | X  |
| 35  | Was a trip report of the property visit prepared?   |     |    | X  |
| <b>Property Eligibility Determination (refer to Chapter 3):</b> |   |     |    |    |
| 36  | Is the property Categorically Excluded?   |     | X  |    |
| 37  | Are there release, hold harmless, "as-is", or indemnification clauses in deeds or property transfer documents that limit DoD liability? |     | X  |    |
| 38  | Is there evidence of this property being a Third Party Site?  |     | X  |    |
| 39  | Is the property eligible under FUDS?  | X   |    |    |
| 40  | If necessary, has a " <i>Categorical Exclusion or Ineligible Property</i> " worksheet been prepared (Worksheet B-1)?                    |     |    | X  |
| <b>FUDS Property Screening:</b>                                 |   |     |    |    |
| 41  | Was a CERCLA Preliminary Assessment completed?  | X   |    |    |
| 42  | Was a RAC Worksheet prepared for the property?  |     |    | X  |
| <b>Project Eligibility Determination (refer to Chapter 3):</b>  |   |     |    |    |
| 43  | Have all typical hazards been investigated for possible occurrence at this type of property?  | X   |    |    |
| 44  | Were hazards identified?  | X   |    |    |
| 45  | Are identified hazards of DoD Origin?   | X   |    |    |
| 46  | If identified hazards were of non-DoD origin, has the lead regulatory agency been informed? (Provide name, phone number, date)          | X   |    |    |
| 47  | Is the current owner under a RCRA or CERCLA clean-up order?   |     | X  |    |
| 48  | Has the "right of first refusal" been exercised by an adjacent DoD installation?  |     |    | X  |
| 49  | Is there evidence of beneficial use?  |     | X  |    |
| 50  | Are there other policy considerations against recommending a project?   |     | X  |    |
| 51  | Are eligible FUDS projects recommended? (If yes, identify projects below)   | X   |    |    |
| <b>INPR Preparation and Review:</b>                             |   |     |    |    |
| 52  | Is the INPR prepared consistent with INPR Content Matrix (Table B-2)?   | X   |    |    |
| 53  | Is the INPR Property Survey Summary Sheet consistent with Table B-3?  | X   |    |    |
| 54  | Is the Project Summary Sheet(s) consistent with Table B-4?  | X   |    |    |
| 55  | If appropriate, has a " <i>BD/DR Project Summary Sheet Checklist</i> " been prepared? (See Worksheet B-2)                               |     |    | X  |

**Indicate the status of the following checklist items in determining the completeness of the INPR. Provide a narrative in the comments section below to explain, and keyed to, the shaded boxes checked:**

|    |  | Yes | No | NA |
|----|--|-----|----|----|
| 56 | If the INPR recommends a PRP/HTRW project, has the PRP District reviewed the INPR? (See Figure B-1)  |     |    | x  |
| 57 | If the INPR recommends a PRP/HTRW project or a controversial or complicated HTRW project, has the HTRW Center of Expertise reviewed the INPR? (See Figure B-1) |     |    | x  |
| 58 | If the INPR recommends a MMRP or PRP/MMRP project, has the OE Center of Expertise reviewed the INPR? (See Figure B-1)  | x   |    |    |
| 59 | Was the draft INPR coordinated with Office of Counsel and Real Estate?   | x   |    |    |
| 60 | Was the draft INPR shared with the Lead Regulatory Agency after internal USACE review?   | x   |    |    |

**Narrative comments to explain above notations:** (Key your comments to the checklist item number)

**Property Owners:**

The Southern Portion of NWP and Flamenco Beach are managed by the ACDEC for recreational use. Current land use is recreational within the Flamenco, Carlos Rosario and Tamarindo beach areas and Flamenco Campground area. It is anticipated as per PL 93-166, the NWP area shall be used only for recreational purposes. The Commonwealth of Puerto Rico anticipates a future development of ecologically friendly camping facilities north of the Flamenco Campground area. They also anticipate establishing hiking trails within various portions of the Southern Portion of NWP.

7. No local historical societies or public libraries were identified for information regarding this INPR revision.

**11 through 24 and 26 through 35.** USACE has been in communication with the landowners and regulatory agencies before and after the creation of this new MMRP Site 16. Although we did not conduct a site visit as part of the APA prepared for the Specific Congressionally Authorized Areas within the NWP of Culebra. Numerous site visits have been conducted as well before and after the creation of this new MMRP Site 16 and over the years by USACE and USACE contractors as follows: 1995 Archives Search Report, 1995 Interim Remedial Action, 1997 Final Engineering Evaluation/ Cost Analysis, 2004 UXO Construction Support, 2005 Supplemental Archives Search Report, 2007 Site Inspection, 2009 Non- Time Critical Removal Action, Flamenco Beach, and 2012 Congressional Study Report.

**25.** MEC and MD have been found on the MRS during previous site visits and studies.

**41.** An Abbreviated Preliminary Assessment (APA) was prepared for the Specific Congressionally Authorized Areas within the NWP of Culebra.

**Narrative comments to explain above notations:** (Key your comments to the checklist item number)

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**42.** A screening RAC is no longer required. The Military Munitions Site Prioritization Protocol (MRSPP) has replaced the RAC. The MRSPP is not part of the INPR, but is submitted to the CX for review and QA Panel approval through FUDSMIS.

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**44, 45, and 46.** During the 2012 Congressional Study Report several MEC items were uncovered.

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**51.** The following project is recommended:

**Project 16 (MMRP) (NEW) - NWP Congressionally Authorized Areas:** The US Congress, through the enactment of Public Law Public Law (PL) 113-291, Section (§) 317, has prescribed that certain limited portions of the former bombardment area on the Island of Culebra should be available for safe public recreational use while the remainder of the area is most advantageously reserved as habitat for endangered and threatened species. Those limited portions include those parts of Flamenco and Tamarindo Beaches located inside the former bombardment area and the entire areas of the Flamenco Campground, Carlos Rosario Trail, and Carlos Rosario Beach. Project 16 is created to address the Munitions and Explosives of Concern (MEC) hazards remaining in those areas.

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**EXECUTIVE SUMMARY**  
**Of**  
**Abbreviated Preliminary Assessment Report for the Specific Congressionally Authorized**  
**Areas within the Northwest Peninsula of Culebra, Culebra, Puerto Rico**  
**DERP - FUDS Property No. I02PR0068**

The U.S. Army Corps of Engineers (USACE) administers the Defense Environmental Restoration Program (DERP) Formerly Used Defense Site (FUDS) program. USACE-Mississippi Valley Division – St. Louis District (MVS) was tasked to complete an Abbreviated Preliminary Assessment (APA) for the Specific Congressionally Authorized Areas within the Northwest Peninsula (NWP) in Culebra, Puerto Rico in support of DERP – FUDS in coordination with the South Atlantic Division – Jacksonville District (SAJ).

The objective of the APA was to document known information for the presence of Munitions and Explosives of Concern (MEC) and Munitions Constituents (MC) for the NWP on Culebra Island, Puerto Rico. The information was documented in anticipation of the activities that will be required to render certain limited portions of the NWP safe for recreational use per the requirements of Public Law (PL) 113-291, Section (§) 317, (December 14, 2014). Paragraph (c) of this section states that “Notwithstanding paragraph 9 of the quitclaim deed, the Secretary of the Army may expend funds available in the Environmental Restoration Account, Formerly Used Defense Sites (FUDS), established pursuant to section 2703(a)(5) of title 10, United States Code, to decontaminate the beaches, the campgrounds, and the Carlos Rosario Trail of unexploded ordnance.” The Secretary of the Army has delegated authority to the USACE to execute actions required under the FUDS program. Headquarters (HQ) USACE has directed the South Atlantic Division and Jacksonville District to undertake these decontamination efforts. Therefore, the APA was used as a basis for creating a new MMRP project, Culebra MMRP 16 Northwest Peninsula (NWP) Congressionally Authorized Areas, which will address the area to be decontaminated.

The NWP is a 572-acre tract that was a former naval bombardment area. Particular emphasis was placed on the 408-acre Southern Portion belonging to the Commonwealth of Puerto Rico. This emphasis results from three public laws that have been enacted regarding the NWP. The provisions of these public laws are discussed thoroughly in the APA. This Southern Portion includes the Flamenco campground, the Carlos Rosario Trail and Beach, and portions of the Flamenco and Tamarindo Beaches. The 164-acre Northern Part of the NWP is under the control of the Culebra National Wildlife Refuge (CNWR). It is a part of the Caribbean Islands National Wildlife Refuge Complex (CINWRC), which is a unit of the United States (US) Fish and Wildlife Service (FWS).

USACE executed land surveys on the above to determine the exact boundaries of the features specified under this PL as follows.

- Flamenco Beach (4.30 acres): From the mean low water line to the vegetation line.

- Flamenco Campground (17.06 acres): From the vegetation line to the campground fence line.
- Carlos Rosario Trail (3.67 acres): 20 feet (ft) from either side of the trail centerline, excluding areas that cannot be reached due to physical constraints such as steep slopes or existing fences.
- Carlos Rosario Beach (5.00 acres): From the mean low water line to the vegetation line and extended 50 ft into the vegetation line (tree line).
- Tamarindo Beach (1.8 acres): From the mean low water line to the vegetation line and extended 50 ft into the vegetation line (tree line).

Based on finding UXO and MD during the 2012 Congressional Study, the MEC exposure pathway for human receptors is complete (that is, there is a MEC risk) at the Southern Portion of NWP, consequently the Congressionally Authorized Areas.

In addition, the Congressional Study evaluated the potential for complete MC exposure pathways to human and ecological receptors through soil, surface water, and sediment. USACE used the results of the sampling and analysis, EPA's Risk Assessment Guidelines and USACE Risk Assessment Guidance to determine that an unacceptable human health risk from MC would not be expected through exposure to surface water or sediment within the Study Area. Based on the sampling results, exposure in soil, sediment, and surface water may pose an unacceptable risk to ecological receptors within the Study Area. However, PL 113-291 § 317 dictates that the only action allowed in the specified areas is the decontamination of UXO. This authorization does not allow cleanup of other environmental contaminants, including munitions constituents.

**PROJECT SUMMARY SHEET  
FOR  
DERP-FUDS MMRP PROJECT NO. I02PR006816  
NWP Congressionally Authorized Areas**

**Property No. I02PR0068  
Federal Facility ID Number: PR9799F4143  
Culebra Island, PR  
May 2016**

**PROJECT DESCRIPTION:** The Northwest Peninsula (NWP) Congressionally Authorized Areas are situated in a 408-acre portion of Culebra Island that was used for US Navy bombardment activities and is owned by the Commonwealth of Puerto Rico. These areas comprise approximately 32 acres that include the Flamenco Beach Campground (17.06 acres), a portion of Flamenco Beach (4.30 acres), the Carlos Rosario Trail (3.67 acres), the Carlos Rosario Beach (5.00 acres), and a portion of Tamarindo Beach (1.80 acres).

The NWP was used for live gunnery practice between 1935 and January 1, 1972. During this period, approximately 750,000 naval rounds were fired into the NWP. Of these, an estimated 80 percent (600,000) were 5 inch (")/38 caliber (cal) and 5"/54 cal projectiles and an estimated 10 percent (75,000) were 3"/50 cal, 6"/47 cal, and 8"/55 cal gun ammunition. The balance included other types of military munitions including 16"/50 cal, and munitions for both mortars and howitzers. Additionally, from 1942 to 1968, approximately 320,000 naval aviation munitions (e.g., bombs and rockets) were used (dropped or fired) within the NWP.

Project 16 is created to address hazards remaining from the ordnance activities in these limited areas of the NWP. The MRS has unrestricted access by the public for recreational use.

**PROJECT ELIGIBILITY:** Property was under the jurisdiction of the Secretary of Defense 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.

The cessation of US Navy activities included certain conditions that were stipulated in Public Law (PL) 93-166, Section 204 (29 Nov 1973). The conditions specified that the bombardment area on Culebra Island shall not be utilized for any purpose that would require decontamination at the expense of the United States and that the land could only be used for public park or recreational purposes.

However, PL 111-383, Section 2815 (07 Jan 2011) required the Secretary of Defense to assess the former bombardment area for certain unexploded ordnance conditions that might pose a threat to public health and safety and the environment. Subsequent to the completion of this assessment, PL 113-291 Section 317 (19 Dec 2014) was enacted, which stated that it is the sense of Congress that certain limited portions of the former bombardment area on Culebra Island

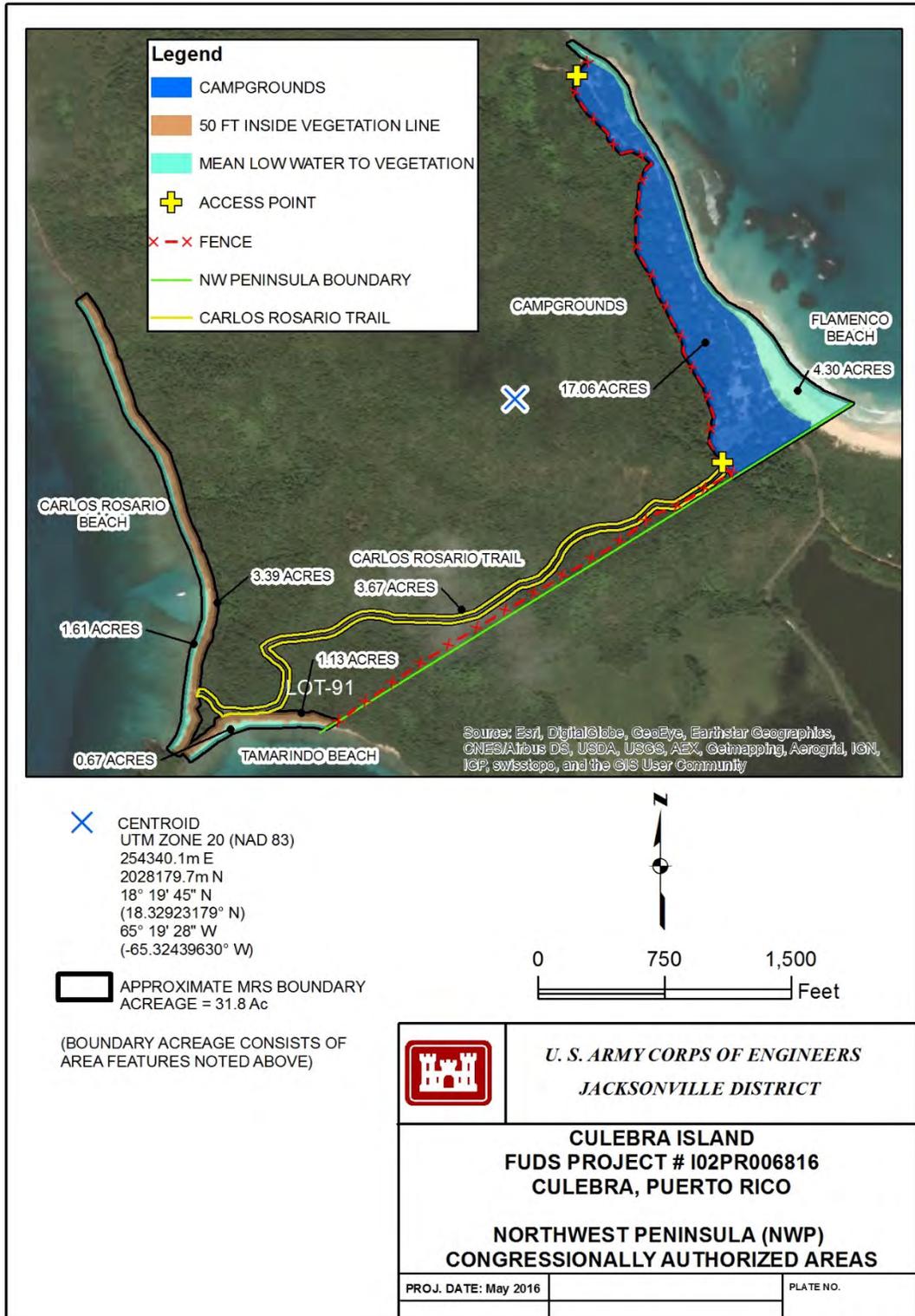
should be available for safe public recreational use while the remainder of the area is most advantageously reserved as habitat for endangered and threatened species. Those limited portions include those parts of Flamenco and Tamarindo Beaches located inside the former bombardment area and the entire areas of the Flamenco Campground, Carlos Rosario Trail, and Carlos Rosario Beach.

**POLICY CONSIDERATIONS:** This Military Munitions Response Program (MMRP) project has been evaluated in accordance with ER 200-3-1, 10 May 2004, and concluded eligible for DERP-FUDS.

**PROPOSED ACTIVITIES:** This revised INPR seeks approval of this new MMRP project. This project will include any necessary response actions to address Munitions and Explosives of Concern at the MRS, and will be conducted in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) in accordance with applicable laws and regulations to achieve Project Closeout.

**POINT OF CONTACT:** Jacksonville District, John Keiser, FUDS Program Manager, (904) 232-1758.

**LEAD REGULATOR:** Ms. Gloria Toro Agrait, Environmental Permits Officer, Puerto Rico Environmental Quality Board, (787) 833-1188.



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