

DERP-FUDS MMRP PROJECT NO. F10OR002909 - Explosive Munitions Ranges

PROJECT DESCRIPTION

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 09 addresses the Explosive Munitions Ranges.

The Explosive Munitions Ranges Munitions Response Site (MRS) consists of 15,455 acres of land in an irregularly shaped parcel. It is a combination of three formerly-identified munitions response areas (MRA)/MRS's: Bombing Target No. 1, Range Complex No. 1, and Range Complex No. 2. Collectively, the MRS consists of 19 individual ranges including a string of artillery, field combat ranges, and two bombing targets which ringed and overlapped the major impact area in the northern sector of Camp Adair. The MRS was actively utilized for live fire combat maneuvers, and support coordination exercises between 1942 and 1945.

Weapons and munitions used on the MRS included .30-caliber rifles, automatic rifles, .30 and .50-caliber machine guns, anti-tank guns, 105-mm and 155-mm howitzers, 60 and 81-mm mortars, 2.36-inch anti-tank and practice rockets, bombs, simulators, smoke generating devices, incendiary and illumination devices, and demolition materials.

During the SI field work, no visual reconnaissance surveys were conducted in the MRS for the sole purpose of identifying munitions and explosives of concern (MEC). During sampling of the MRS, anomaly avoidance procedures were performed to avoid potential encounter with MEC or munitions debris (MD). No MEC or MD were observed. Much of the land within the MRS is currently being used for agriculture purposes and thus has been disturbed or reworked by tilling or grazing. Presence of MEC and MD was previously documented in the Archive Search Report (ASR) during which an unexploded 60mm mortar round was found and ultimately destroyed by local law enforcement. In addition, MD (60mm and 81mm mortars, and 105mm projectile) has been found.

Results of munitions constituents (MC) from groundwater, sediment, and surface soil samples collected during the SI show that concentrations of metals and explosives are below human health and ecological screening values.

PROPOSED ACTIVITIES

Based on the conclusions and recommendations presented in the Final SI Report, further investigation with regards to MEC is warranted. No further investigation is warranted for MC.