WESTON SOLUTIONS

Westcliffe
Engineers, Inc.

CORRECTIVE ACTION REPORT

DATE: 10-31-2008 **PROJECT NAME:** FORA ESCA RP **PROJECT LOCATION:** Former Fort Ord, CA

APPLICABLE DOCUMENT / SECTION: Final Addendum to Final OE-15SEA.1-4 Site-Specific Work Plan, Phase II Seaside Munitions Response Area (MRA) Removal Action, Former Fort Ord, dated January 24, 2008 ("the SSWP Addendum")

SUBJECT: Excavation process failure discovered during QC-2 in Special Case Area SCA_W138. SCA_W138 is located within the Seaside MRA, outside the future roadway and utility corridors.

SUMMARY AND ANALYSIS:

Summary of the Field Investigations at SCA_W138

On September 4, 2008 an approximately 50 pound (lb) compact ball of wire (approximately 18 inches in diameter) was discovered during the QC-2 process at Anomaly (target) # 1009. Figure 1 shows the original initial phase digital geophysical mapping (DGM) data on the left and the QC-2 phase DGM data on the right.

During initial excavation activities at Anomaly #124, large masses of wire and other metal debris were identified. To recover these items, an excavator was used to remove the debris. The soil and debris removed from the excavation was temporarily staged adjacent to Anomaly #124 and was hauled to the sift plant location a few days later. The area in which this soil and metal debris was staged corresponds to the general location of Anomaly #124 and other anomalies in the vicinity.

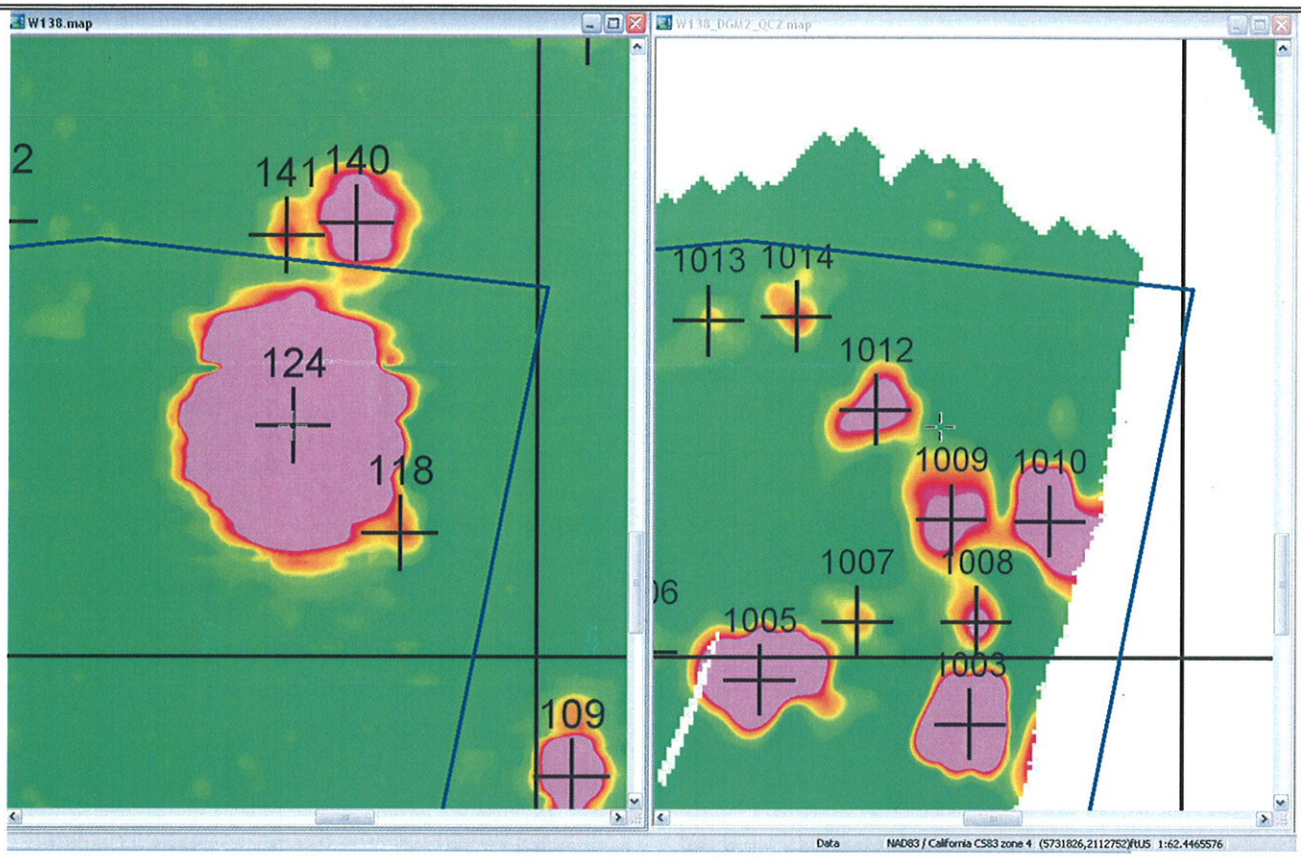

Figure 1: SCA_W138
Color Plots of the DGM Surveys
Initial Phase (left) and QC-2 Phase (right)

Root Cause Analysis of the Failure

When the stockpiled soil and metal debris excavated from Anomaly # 124 was loaded into a truck and hauled to the sift plant location for processing, not all of the metal debris was collected. The QC-2 Anomaly # 1009 shown in right-side image in Figure 1 did not exist in the original data (the left-side image in Figure 1) and was therefore a result of the soil movement during the excavation process.

CORRECTIVE ACTIONS:

1. As part of a check of the work already completed, eleven (11) locations where debris or soil stockpiles were staged that were later hauled to the sift plant location during the Seaside operations were re-checked with a Schonstedt to make sure that they were clear of metal. No failures of the type found in SCA_W0138 were identified during the recheck.

2. If a debris or soil stockpile is created during anomaly excavation activities, the dig crew will mark a 5 foot buffer around the boundary of the debris or soil stockpile staging area with pin flags. After the stockpile is removed, the flagged area will be 100% searched by the UXO Team with an approved geophysical instrument to verify the area where the material was staged is clear of metal. A note will be made in the QC daily field notes that the 100% search by the UXO Team was completed for each stockpile location.

REPORTED BY: Bruce Moe, Senior UXO Supervisor, ESCA RP Team