



FIELD WORK VARIANCE

Project Name/Number	Fort Ord / 846075	CTO/WAD	CTO 16 / WAD 04
Applicable Document: Draft Final RCRA Closure Plan, Range 36A, Former Fort Ord, California, May 2005, Revision 0		Date: 5/10/06	

Problem Description:
 Digital Geophysical Mapping was performed at 36A during the week of 4/24 with the intent to identify anomalies for subsequent excavation by UXO Team. Analysis of digital geophysical data indicates that approximately 70-75% of the site contains significant metallic debris that precludes identification of distinct anomalies for excavation. Area was used previously as an Open Burning/Open Detonation Range for the Army and additionally appears to have been used as a dump pit for random metallic debris (not MEC related).

Recommended solution:
 Implement the procedures summarized in this FWV.

Impact on present and completed work:
 Will cause a delay to current planned work to investigate and remove anomalies based on digital geophysical survey. Results will be added to the draft 36A report, not yet issued.

Requested by: Kevin Siemann

Recommended revisions to the plan: Incorporate evaluation of selected anomalies to determine extent of metallic debris currently precluding digital anomaly identification.

Technical Scope
 The central locations of the largest concentrations of metallic debris will be reestablished by GPS survey. The lateral extent of the debris pits will be established by a combination of magnetometer survey, hand digging and cautious use of a mini-excavator or backhoe.
 The debris pits will be removed by mechanical excavation. Excavation will continue as long as metallic debris is visible or as directed by the OE Safety Specialist. If MEC is suspected or encountered, mechanical excavation will cease and excavation will continue by hand.
 If areas are encountered that do not contain large metallic debris but contain significant Munitions Debris (MD) fragments from previous use as an OB/OD Range, the soils containing such fragments may be sifted using the sifting trailer currently on-site at the Shaw compound with some minor modifications.
 At the completion of the excavations, slopes will be made safe and vehicle tracks will be smoothed out. A qualified biologist will conduct a habitat training session prior to beginning work in 36A.
 Recovered MD will be inspected and a weight per grid will be recorded. The MD will be stored in a locking bin and after being certified as inert will be recycled. Metallic debris that is not MD related will be removed from the site and stored in a bin for subsequent pickup by A & S Metals.

Personnel
 One partial team will conduct the anomaly evaluation, with the following personnel:

- UXOSO
- Team leader (UXO Tech III at a minimum)
- UXO Technician I at a minimum
- Team will be augmented with additional personnel as needed



Clarification Minor Change Major Change

Affects Budget Yes No

Affects Schedule Yes No

Signature [Signature] Date 5/11/06
Technical Reviewer

Shaw Approvals:

Signature [Signature] Date 5/11/06
SUXOS

Signature [Signature] Date 5/11/06
for PCK Date
Project M/permission Manager

Signature [Signature] Date 5/11/06
SUXOS CQCSM

USACE Approval: If Major Change:

Signature [Signature] Date 5/12/06
OE Safety Specialist

Signature [Signature] Date 5/12/06
USACE COR or TM

Teek Approach
is OK