



**Westcliffe
Engineers, Inc.**

FIELD VARIANCE FORM

DATE: 8/12/09 PROJECT NAME: FORA ESCA RP PROJECT LOCATION: Former Fort Ord
 APPLICABLE DOCUMENT / SECTION: Final Group 1 RI/FS Work Plan – Volume 2; Section 2.3.5 Excavation of Anomaly Targets and Section 12 Environmental Protection Plan
 SUBJECT: Portable Field Screen Implementation for High Density Metallic Debris in Soil

FIELD CHANGE CONDITION:

During the digital geophysical mapping (DGM) anomaly investigation in the Parker Flats Munitions Response Area (MRA) Phase II, selected anomaly targets are investigated in accordance with the above referenced work plan; however, isolated areas are found to contain a high density of small metallic cultural debris or ammunition links, which are not feasible to manually remove from the soil. Each of these areas will have large amplitude response anomaly contacts investigated prior to the use of the screen on the soil containing high density metallic debris. The use of the screen will allow the Environmental Services Cooperative Agreement Remediation Program (ESCA RP) Team to confirm and catalog the metallic debris removed from the soil in these areas. The ESCA RP Team will modify field activities to incorporate the use of a portable mechanical screen in accordance with the recommended approach described below.

RECOMMENDED APPROACH / CHANGE:

A portable mechanical screen will be mobilized to the field as needed (Figure 1). An unexploded ordnance (UXO) team, consisting of a minimum of two UXO Technicians will use the portable 3/8-in. mesh screen to inspect the soil. The stockpiled soil containing the small metallic debris will be removed from the dig location. The soil will be visually inspected and any large metallic debris or oversized material will be removed. If the soil is found to contain a considerable amount of small metallic debris or ammunition links, it will be gently loaded into the portable screen using a backhoe or similar equipment. The metallic debris captured by the portable screen will be inspected, cataloged, and weighed per area for reporting purposes, then disposed off-site in accordance with the above-referenced work plan. The soil and any debris less than 3/8-in. that passes through the portable screen will be returned to the excavation following the completion of quality control procedures (QC-1). In addition, to initially evaluate the effectiveness of this operation, the first 15 high density areas undergoing this procedure will undergo a QC-2 survey as detailed in the above-referenced work plan. The objective of the QC-2 survey is to demonstrate that this revised approach to high density areas is effective or provides an opportunity to improve the efficiency of the anomaly investigation process. Oversized (greater than 3/8 of an inch) non-metallic debris (e.g., wood or rock chips) will be sorted from the metallic debris, inspected, and stockpiled on plastic with the material that passes through the screen (<3/8-in.).

If open excavations are left unsupervised, the excavation will be marked with high visibility snow fencing or an equivalent protective measure. If excavations are required in areas with Habitat Management Plan (HMP) species, a qualified biologist will be consulted prior to the initiation of work and the appropriate work practices / controls will be applied to the excavation activities (e.g., silt fencing around the perimeter of the excavations in designated California tiger salamander areas, segregating the top six inches of soil and restoring it in designated Monterey spineflower areas, etc.).

The screening activities may occur in habitat area trails, habitat area trail convergence zones, development areas, and residential areas (Figure 2).

IMPACT ON PRESENT AND COMPLETED WORK:

There is no impact on present or completed work.

FOR A ESCA REMEDIATION PROGRAM



Westcliffe
Engineers, Inc.

REQUESTED BY: Bruce Moe, Senior UXO Supervisor

CLARIFICATION/FOR INFORMATION ONLY

MINOR CHANGE

MAJOR CHANGE

ESCA RP TEAM APPROVALS:

COMMENTS

APPROVED BY: Greg Clark [Signature] DATE 8/14/09
ESCA UXO SAFETY OFFICER SIGNATURE

ACKNOWLEDGED BY: Kristie Reimer [Signature] DATE 8/14/09
ESCA PROGRAM MANAGER SIGNATURE

ACKNOWLEDGED BY: Christopher Spill [Signature] DATE 8/14/09
ESCA TECHNICAL PROJECT MANAGER SIGNATURE

ACKNOWLEDGED BY: Linda Temple [Signature] DATE 8/17/09
ESCA REMEDIATION PROJECT MANAGER SIGNATURE

FORA APPROVAL:

COMMENTS

APPROVED

REJECTED

[Signature]

FORA ESCA PROGRAM
MANAGER

[Signature]

SIGNATURE

DATE 8/17/09

EZ
SCREEN
500XL



DESIGN\036\09595\09\Soil Sift Location Maps.cdr

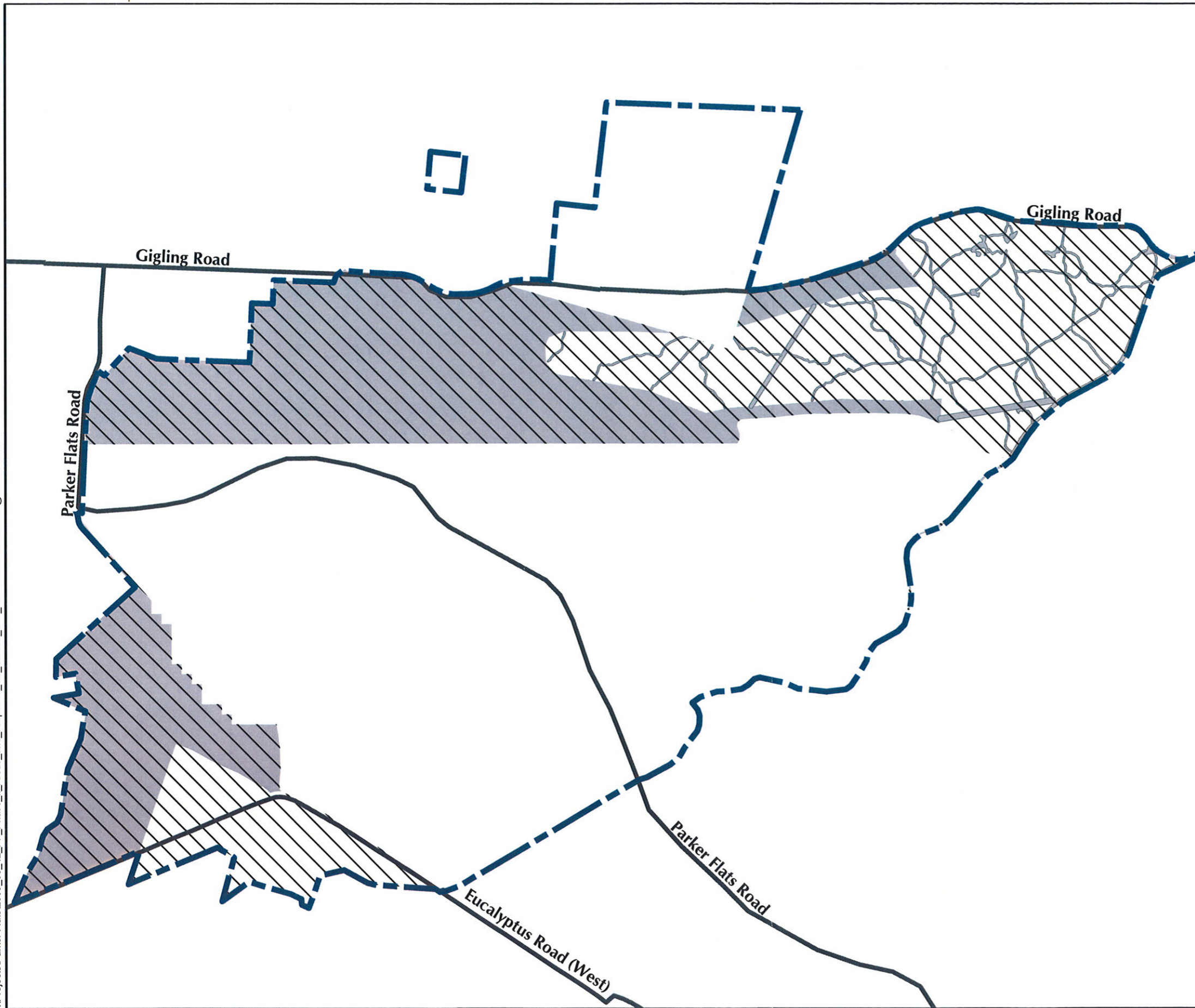


Portable Mechanical Screen

Former Fort Ord
Monterey County, California

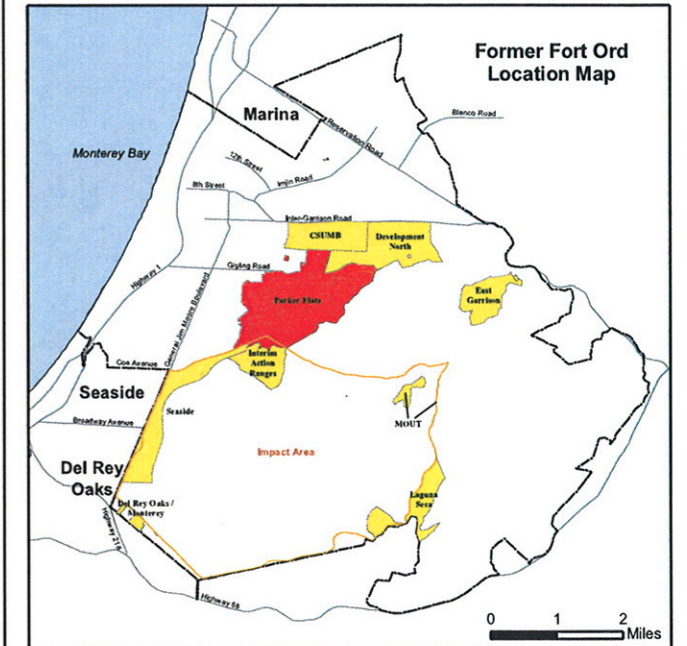
Figure 1

T:\Projects\Parker Flats\2009_08_12_PF_Phase_II_Areas_and_Proposed_EZ_Screen_Use_Areas.mxd - 8/12/2009 @ 4:48:39 PM



Legend

- Munitions Response Area
- Major Road
- Phase II Parker Flats RI/FS
- EZ Screen Use Areas (As Needed)



**Parker Flats MRA
Phase II RI/FS
Proposed EZ Screen Use Areas**
FORA ESCA RP
Monterey County, California

Figure 2