## Appendix G GPO Tractor Report

# Addendum Geophysical Prove-Out Using a Tractor Tow Vehicle At the ODDS Plot GPO Site for MRS-16 Munitions and Explosives of Concern Removal Project Former Fort Ord, California

### Total Environmental Restoration Contract Contract No. DACW05-96-D-0011 Task Order No. 016

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Geophysical Prove-Out

GPO

MRS

ODDS Ordnance Detection and Discrimination Study

#### 1.0 Introduction

This short summary report presents the general results of an Addendum Geophysical Prove-Out (GPO) that was conducted at the Ordnance Detection and Discrimination Study (ODDS) Plots at Badger Flats for the Munitions Response Site (MRS)-16 removal action at Former Fort Ord, Monterey County, California. Due to the lack of a tow vehicle, the first GPO was conducted with a pickup truck. The results of that study were published in the GPO report issued by Shaw Environmental, Inc. in January 2007.

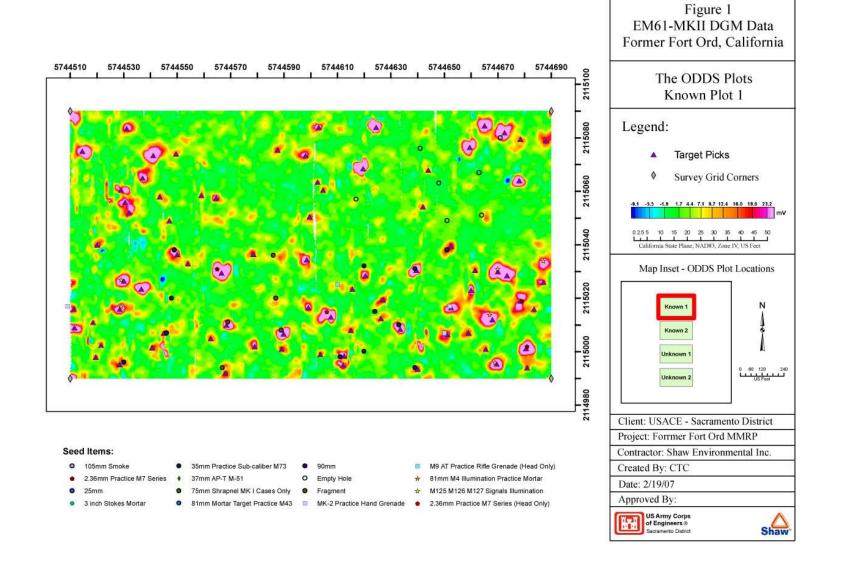
It was decided that the tow vehicle most appropriate for towing the sensor array at MRS-16 would be a small farm tractor. Shaw used a New Holland TC40 for the tow tractor. The GPO was conducted with the tractor prior to beginning any production work at MRS-16 in early January 2007.

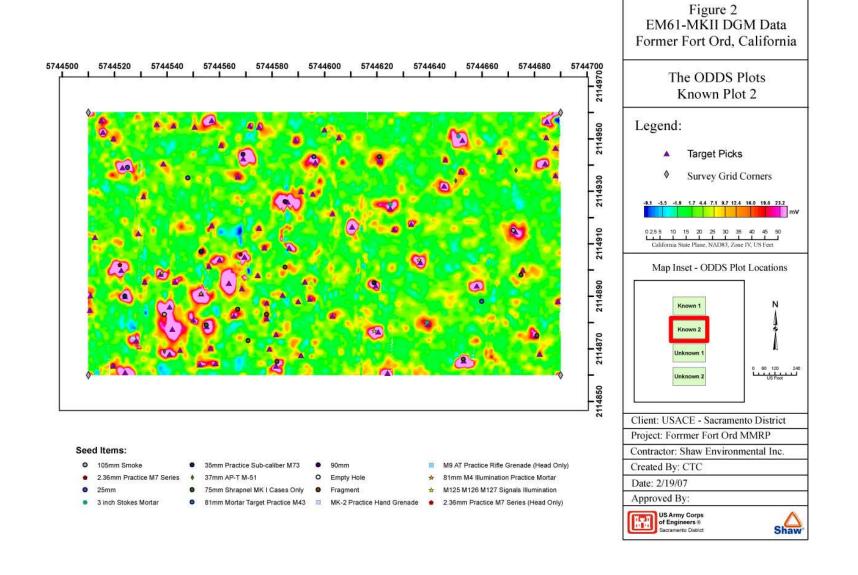
All of the pertinent information related to the GPO test plots (ODDS Plots) are outlined in detail in the original GPO report entitled "MRS 16 Geophysical Prove-Out Report Former Fort Ord, California" (Shaw, 2007). The purpose of this short addendum report is to generally present the overall results of the GPO data using the tractor.

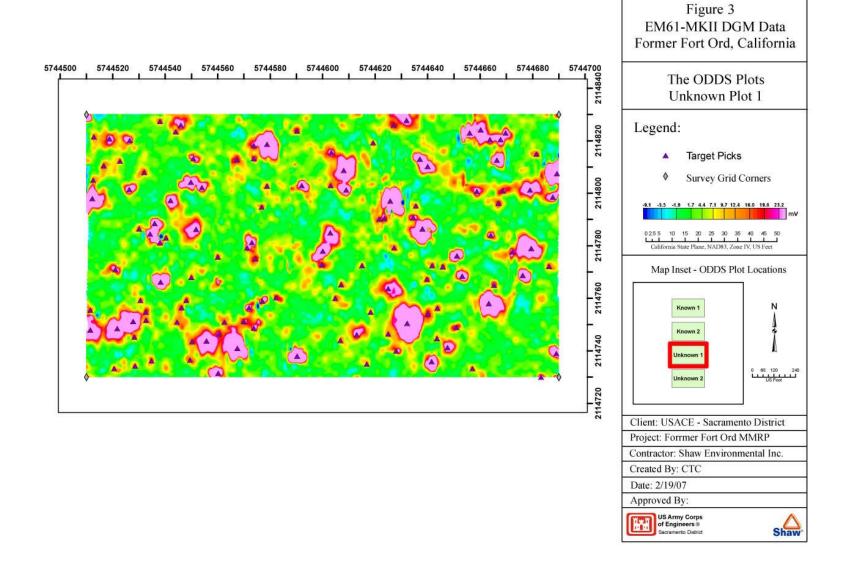
The geophysical prove-out procedures, geophysical data processing, and data quality objectives, are identical to the original GPO in this addendum GPO. The original GPO report can be referenced for that information. It is the intention of this short addendum report to display the data and results.

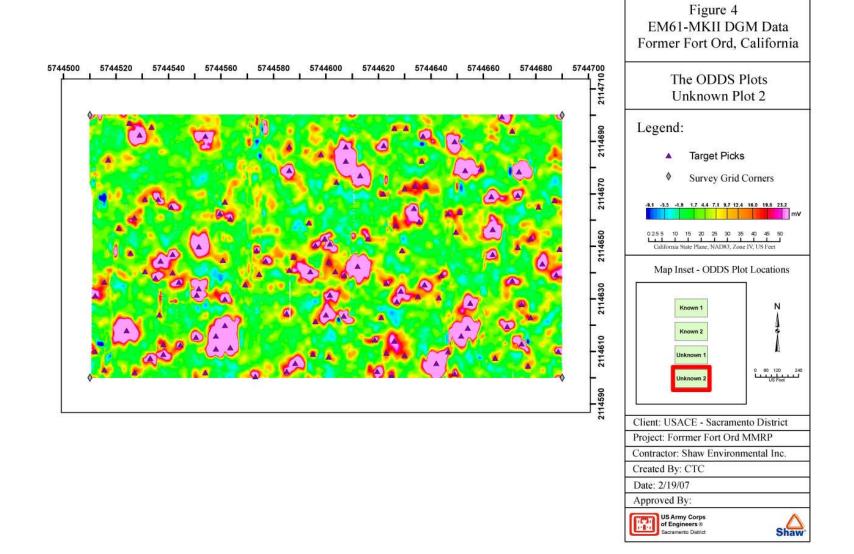
#### 2.0 Results of Addendum Geophysical Prove-Out

The processed geophysical data for Known Plots 1 and 2, as well as, Unknown Plots 1 and 2 are shown on Figures 1 through on the following pages 2 through 5. The DQOs outlined in the original GPO report were met for all ODDS Plots. This was confirmed by the QC geophysicist. After the first tractor pass over the ODDS Plots some minor fill-in data was required to achieve the DQOs. This was done with a single EM61 MK2 system.









The geophysical data from this addendum GPO are extremely similar to the data from the original GPO. The table below provides a summary of the Original and Addendum GPO results in terms of the number of targets. Most of the targets are the same as the original GPO. Targets were selected using a threshold of 14 mV and filtered using the decay method outlined in the GPO report.

	Original GPO	Addendum GPO
<b>Known Plot 1</b>	82	81
<b>Known Plot 2</b>	101	98
<b>Unknown Plot 1</b>	126	128
<b>Unknown Plot 2</b>	135	136

Item 601 (Known Plot 1) was not picked in the Addendum GPO because it had a response that was lower than 14 mV. This is likely due to the changed physical conditions at the ODDS Plots. Item 587 (Known Plot 1) was gained in the Addendum GPO which was not picked in the original GPO. Seed item 568 (Known Plot 2) was also gained in the Addendum GPO which was not picked in the original GPO. In general, the results of the Addendum GPO are extremely comparable to the original GPO and even exhibited slightly better performance.