

SUBJECT: MR – BCT Meeting
January 10, 2005 2:00 p.m.
 BRAC Conference Room

Check ()	Name	Organization	Phone	E-mail address
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<i>SB</i>	Stewart Black	DTSC	916-255-3665	sblack@dtsc.ca.gov
<i>by phone</i>	John Chesnutt	U.S. EPA	415-972-3005	Chesnutt.john@epa.gov
	Claire Trombadore	U.S. EPA	415-972-3518	Trombadore.Claire@epa.gov
<i>DE</i>	David Eisen	COE	831-393-9692	David.Eisen@usace.army.mil
<i>BLW</i>	Bruce Wilcer	<i>MACTEC</i> Harding ESE	415-884-3168	blwilcer@mactec.com
<i>gwg</i>	Gary Griffith	Parsons ES	831-884-2309	gary.griffith@parsons.com
<i>CM</i>	Chieko Nguyen	Fort Ord BRAC	831-899-7372	Chieko.nguyen@monterey.army.mil
<i>LS</i>	Lyle Shurtleff	Fort Ord BRAC	831-242-7919	Lyle.Shurtleff@monterey.army.mil
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<i>KE</i>	Kris Escarda	DTSC	916-255-3651	kescarda@dtsc.ca.gov

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Check ()	Name	Organization	Phone	E-mail address
✓	ED TICKEN	MACTEC	707 793 3882	
✓	Cynthia Mitchener	USACE	(831) 884-9925 x 234	Cynthia.L.Mitchener@usace.army.mil
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✓	ROMAN RACCA	DTSC	(916) 255-6407	RRACCA@dtsc.ca.gov
✓	DEREK LIEBERMAN	ARMY BRAC	(931) 242-4873	DEREK.LIEBERMAN@MONTEN
✓	Craig Murray	PARSONS	(831) 884-2318	craig.murray@parsons.com

**Former Fort Ord
Agency Meeting Agendas
January 2005**

January 10 at 10:00 a.m.
HTW BCT Meeting
BRAC Conference Room

January 10, 2004 at 2:00 p.m.
MR BCT Meeting
BRAC Conference Room

MR BCT Meeting
BRAC Conf. Room

Item	Action	Comment
Transfer Status Update	Update	
ATSDR visit	Information	
Action Items	Update	
Fieldwork Update	Update	
Results of testing EM61 over asphalt	Presentation	
Fieldwork Variance	Update	
Track 0 Plug-In Approval Memorandums	Update	
Track 1	Update	
FFA Schedules	Update	

MR BCT 1 Aing Handout
(Summary of action items from November 9, 2004 meeting)

<u>Action Item Description</u>	<u>Responsible Party</u>	<u>Due Date</u>	<u>Comments</u>
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Site Security/Incident Reports/Detonations

	No action items			
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Field Work/Removal Action Updates/FWVs

C	Fieldwork Variance 43-48-0002	Parsons/USACE	Not indicated	Review again re: QC/QA impact
C	Comments on Draft Final MOCO.2 Technical Information Paper	DTSC Army	Aug-2	Army to send a letter to DTSC stating final report addresses concerns discussed.
R	Comments on Draft SEA.1-4 Technical Information Paper	DTSC	Sept-24 After Thanksgiving	Comments overdue

FFA Schedules and MR RI/FS

C	Risk Assessment Response to Comments	DTSC	today	DTSC provided feedback, updated responses-to-comments was emailed out on Aug 30, 2004
C	Schedule A Track 1 Record of Decision on-board review meeting	Chieko Nguyen		Meeting was scheduled for 20 Dec 2004
C	Schedule a Track 0 Plug-in Approval Memo on-board review meeting	Chieko Nguyen		

* indicates new action item

"R" indicates revised action item

"C" and gray cells indicate completed items to be withdrawn from list next month

MR BCT Meeting Handout
(Summary of action items from November 9, 2004 meeting)

	<u>Action Item Description</u>	<u>Responsible Party</u>	<u>Due Date</u>	<u>Comments</u>
C	Send a list of plug-in C parcels and acreages (Track 0 vs. Track 1)	Chieko Nguyen		
C	Track 0 Plug-in B/C groupings in maps	Bruce Wilcer		
C	Send Track 0 Approval Memo C/B "Approach" paper to EPA/DTSC	MACTEC/Army		
R	Track 2 groupings	David Eisen	Next BCT meeting	
*	Transcripts of Sept 29 public meeting on Track 1 Proposed Plan	Army		Send copy to EPA
*	Revised FFA Schedules	Army		Send revised schedules to EPA and DTSC

Ongoing Actions/Other

	Quarterly Security Program Update	Army	Quarterly	Lyle Update OE Security db on web
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MR BCT Meeting Handout
(Summary of action items from November 9, 2004 meeting)

<u>Action Item Description</u>	<u>Responsible Party</u>	<u>Due Date</u>	<u>Comments</u>
Document Deliverables Schedule (complete list) and list of issued reports requiring review to Agencies	Army	Monthly	Electronic copy to agencies one week prior to BCT meetings.
Document submission to agencies to be sent with cover letter explaining purpose of document and review period. Document distribution.	Army and contractors		
Removal Action Update and bi-weekly meeting minutes to agencies via email	Army	Ongoing bi-weekly	Electronic copies to agencies
* ORNL info on aerial geophysics	David Eisen		Send info to agencies
R Review and approve previous meeting minutes	EPA DTSC	@ meetings	EPA review needed for Oct 13 minutes.
R State parks Resolution for Track 1	DTSC		Coordinating with State Parks

* indicates new action item

“R” indicates revised action item

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EM61-Mk2 Asphalt Test

Presented by Craig Murray, Parsons

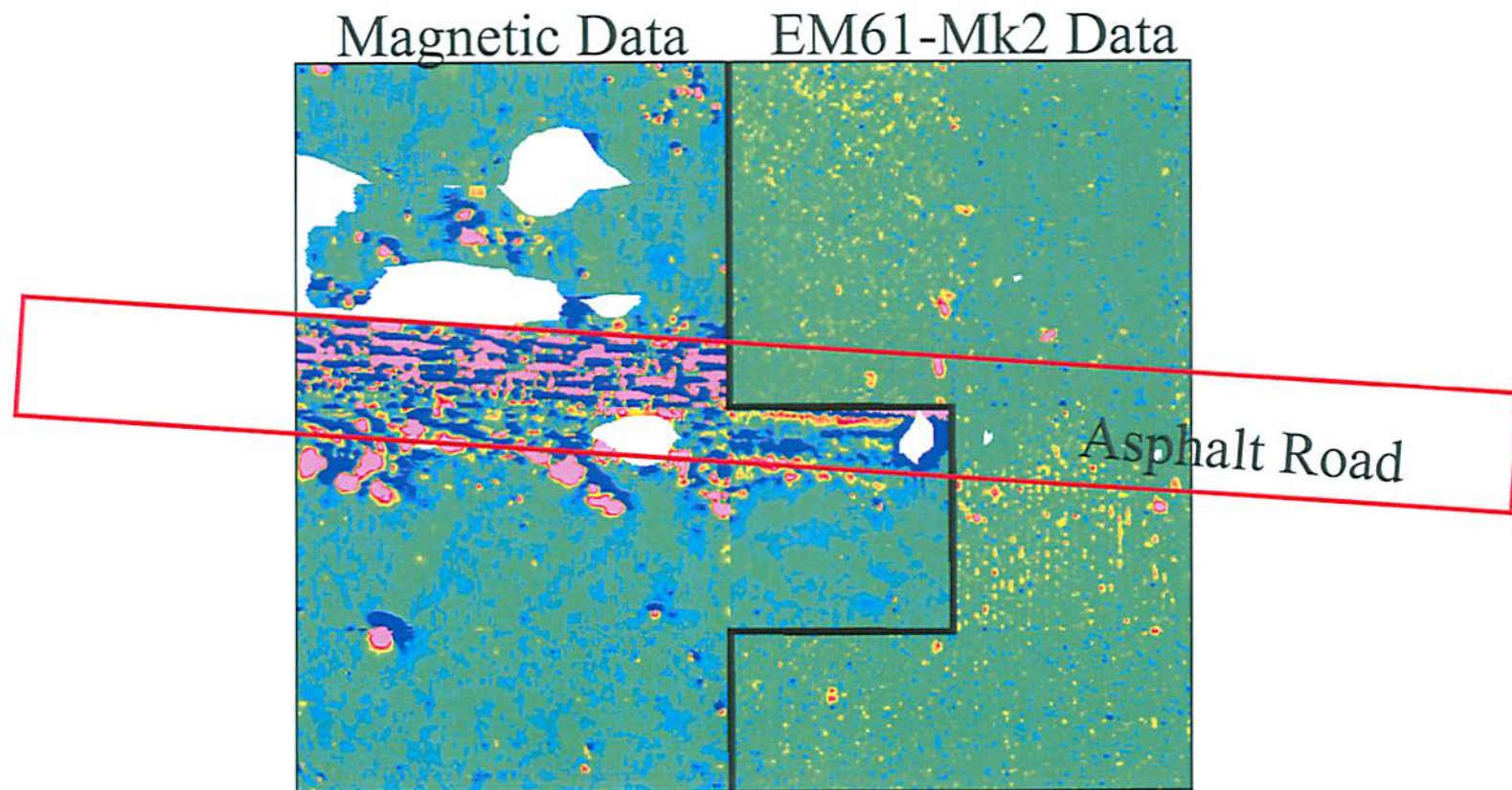
EM61-Mk2 Asphalt Test

Outline

- 1. Is Asphalt a Problem for UXO Detection?**
- 2. Em61-Mk2 Asphalt Test Design**
- 3. Test Results**
- 4. Conclusions**
- 5. Recommendations**
- 6. Site Specific Applications**

EM61-Mk2 Asphalt Test

Digital Geophysics over Asphalt

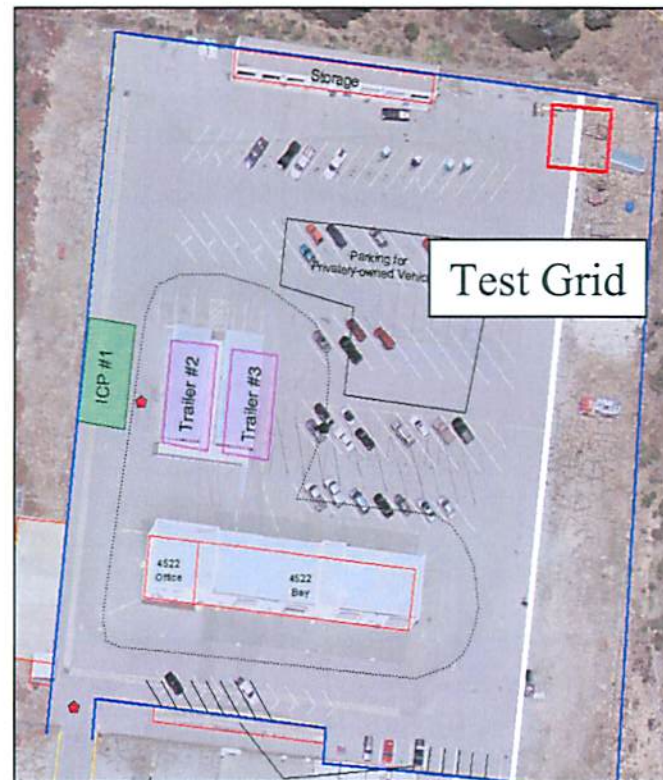
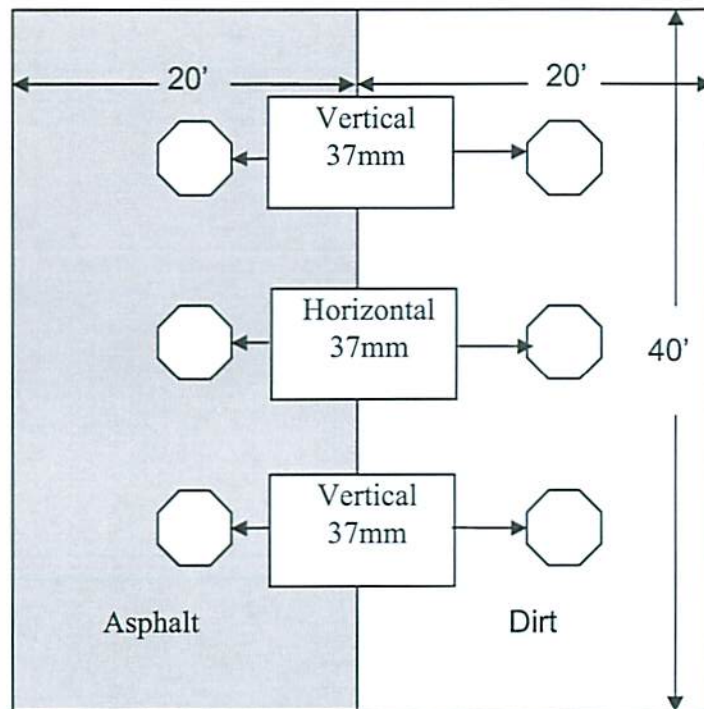


EM61-Mk2 Asphalt Test

Does the asphalt found at the Former Fort Ord affect the ability of the EM61-Mk2 to detect subsurface metal items?

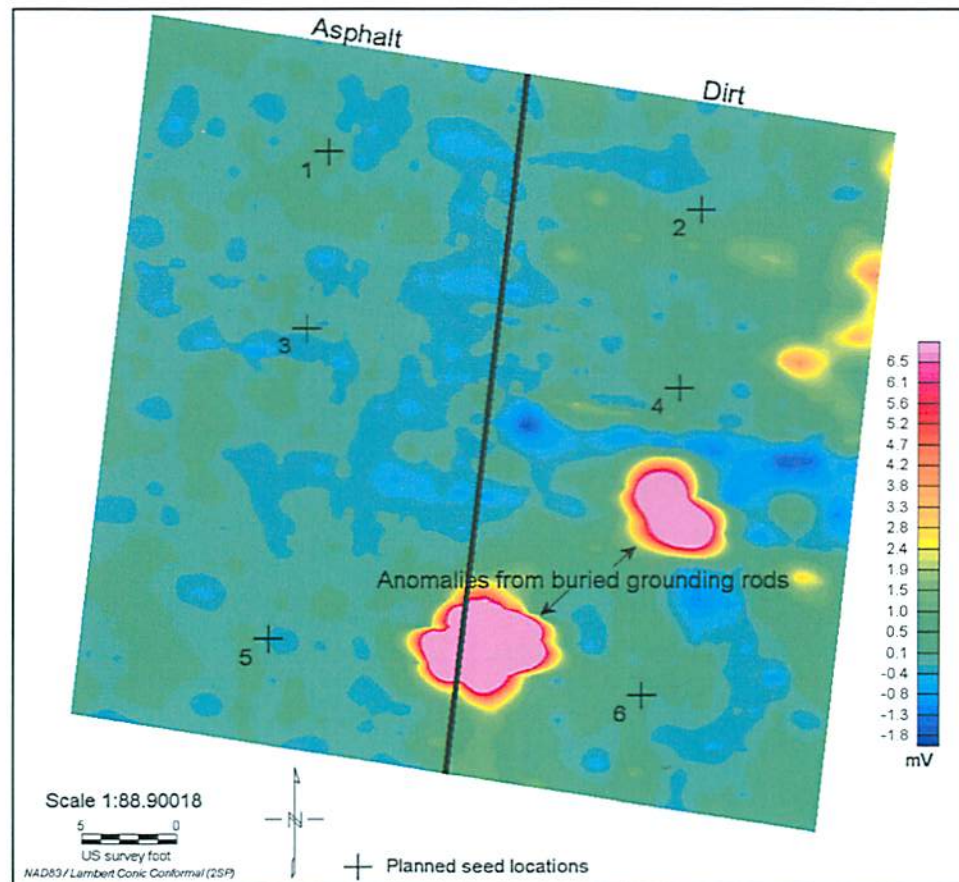
EM61-Mk2 Asphalt Test

Test Design



EM61-Mk2 Asphalt Test

Background Data Acquisition



EM61-Mk2 Asphalt Test

Test Item Emplacement



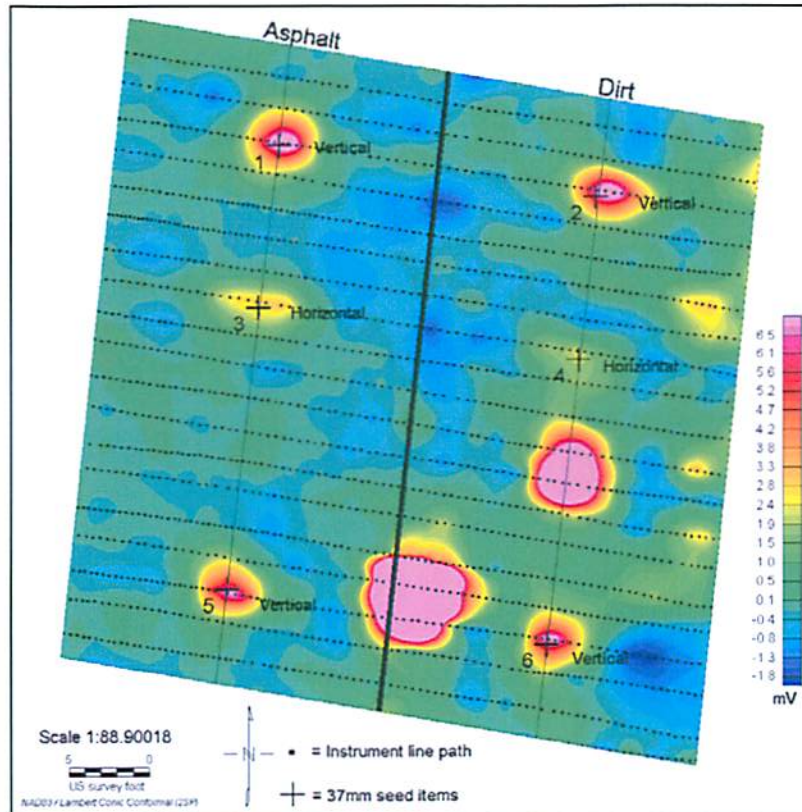
EM61-Mk2 Asphalt Test

Test Items



EM61-Mk2 Asphalt Test

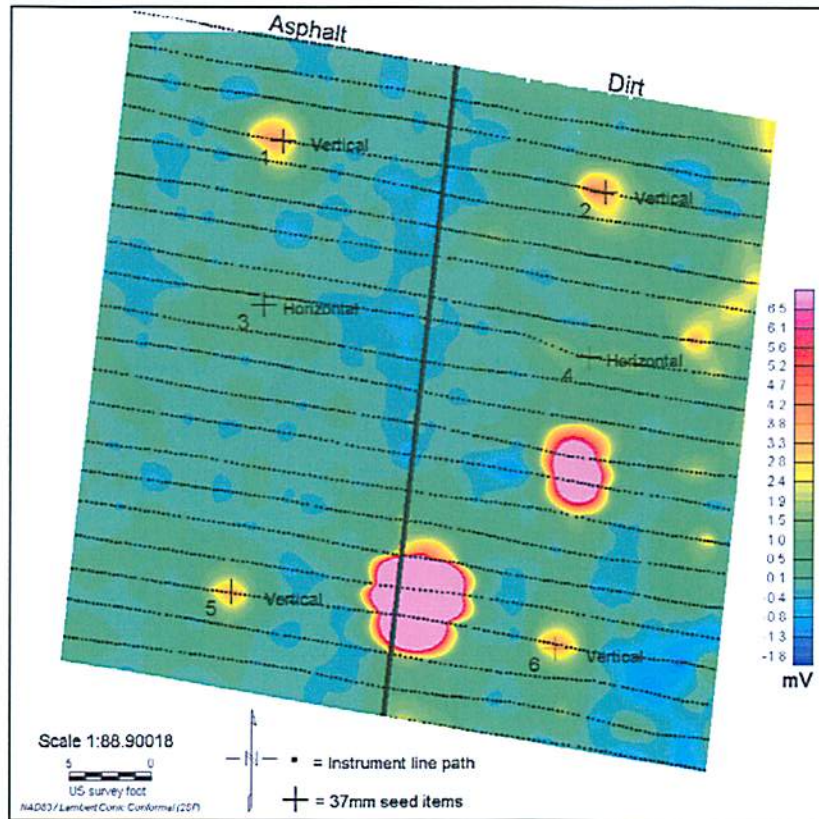
Test Results at 12 inches bgs



Item #	Response (Asphalt)	Response (Dirt)
1,2 (vert)	9.6mV	8.1mV
3,4 (horiz)	3.2mV	3.3mV
5,6 (vert)	7.8mV	7.8mV

EM61-Mk2 Asphalt Test

Test Results at 18 inches bgs



Item #	Response (Asphalt)	Response (Dirt)
1,2 (vert)	4.4mV	4.6mV
3,4 (horiz)	0.9mV	1.1mV
5,6 (vert)	3.6mV	3.7mV

EM61-Mk2 Asphalt Test

Conclusion

The approximately 3-in.-thick asphalt parking lot in Parsons' compound at the former Fort Ord did not significantly affect the ability of the Geonics EM61-MK2 to detect subsurface metallic items.

EM61-Mk2 Asphalt Test

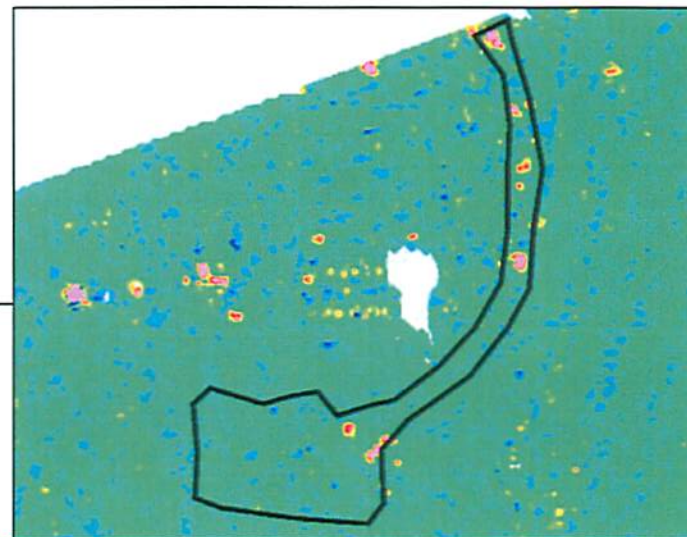
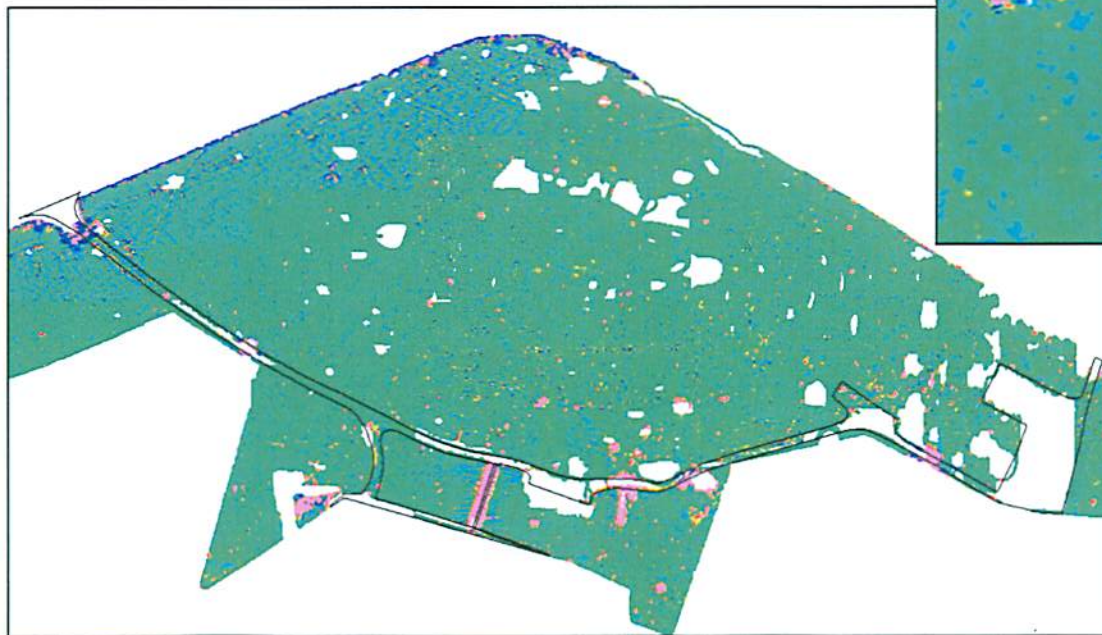
Recommendation

1. Use the EM61-Mk2 to detect subsurface UXO in asphalt covered areas of Munitions Response Sites (MRS) at Fort Ord.
2. Include a QC seeding program in future work within asphalt areas to ensure that differences in thickness or composition of asphalt do not reduce the ability of the EM61-Mk2 to detect items under the asphalt.

EM61-Mk2 Asphalt Test

Site Specific Applications

MOCO.2



Ranges 43-48

**Fort Ord
Military Munitions Response
Program (MMRP)
Update**

10 January 2005

MMRP Fieldwork

As of 4 January 05

MRS Ranges 43-48 (490 Acres)

Start work date: 24 Oct 03 Estimated date complete: 26 Jun 05

ACTION: MMRP removal to depth

Prescribed burn – complete

Surface Safety Sweep - complete

Target Removal - complete

Vegetation removal (cutting/survey) complete

Sub-surface removal (analog) on-going - **241 acres complete**

Sifting of development Range 45 (~~14~~ acres) - **5 acres grading complete**

Geo Survey / Excavation - **89 acres/63 acres complete**

QC/QA - **39 acres/15 acres complete**

ISSUES AND CONCERNS:

1. Vegetation growth is beginning to reduce efficiency of sub-surface work. Growth will eventually constrain ability to complete a subsurface removal in protected habitat areas
2. Cumulative subsurface removal production level is approximately 20 percent below initial estimates. Projected schedule indicates completion of analog subsurface removal on approximately 260-275 acre of original 390 acre target.
3. Digital survey is finding a high number (100s) of anomalies in many grids. Excavation production rate (acre/team days) is currently 31 percent of the negotiated rate.

MMRP Fieldwork continued

As of 4 January 05

Chronological by priority

Acreage is estimated

MRS Ranges 43-48 (continued)

4. Special Case Area (SCA) (defined in SSWP)

- a) Anticipate 35 percent of the MRS (171 acres) will be designated SCAs due to the high density of anomalies.
- b) The feasibility and possible methodologies for remediation of high density anomaly SCAs, those in protected habitat areas are being assessed. Other factors influencing approaches to SCAs included mix of possible UXO.

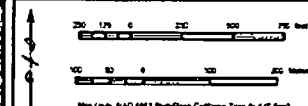
5. Other

Process to recycle small arms munitions on hold pending clarification of possible AEC requirement to conduct on-site flashing.



**MRS-Ranges 43-48
Removal To Depth
Completed as of
1/4/2005**

- ▲ Special Requests Pending
- Removal to Depth
- Removal Complete
- Development
- Identified SCAs
- ▨ Exclusion Grids
- Suggested Roads and Trails
2000-ft from Eucalyptus Road



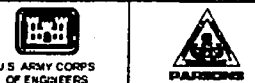
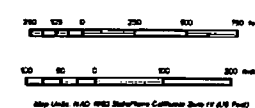
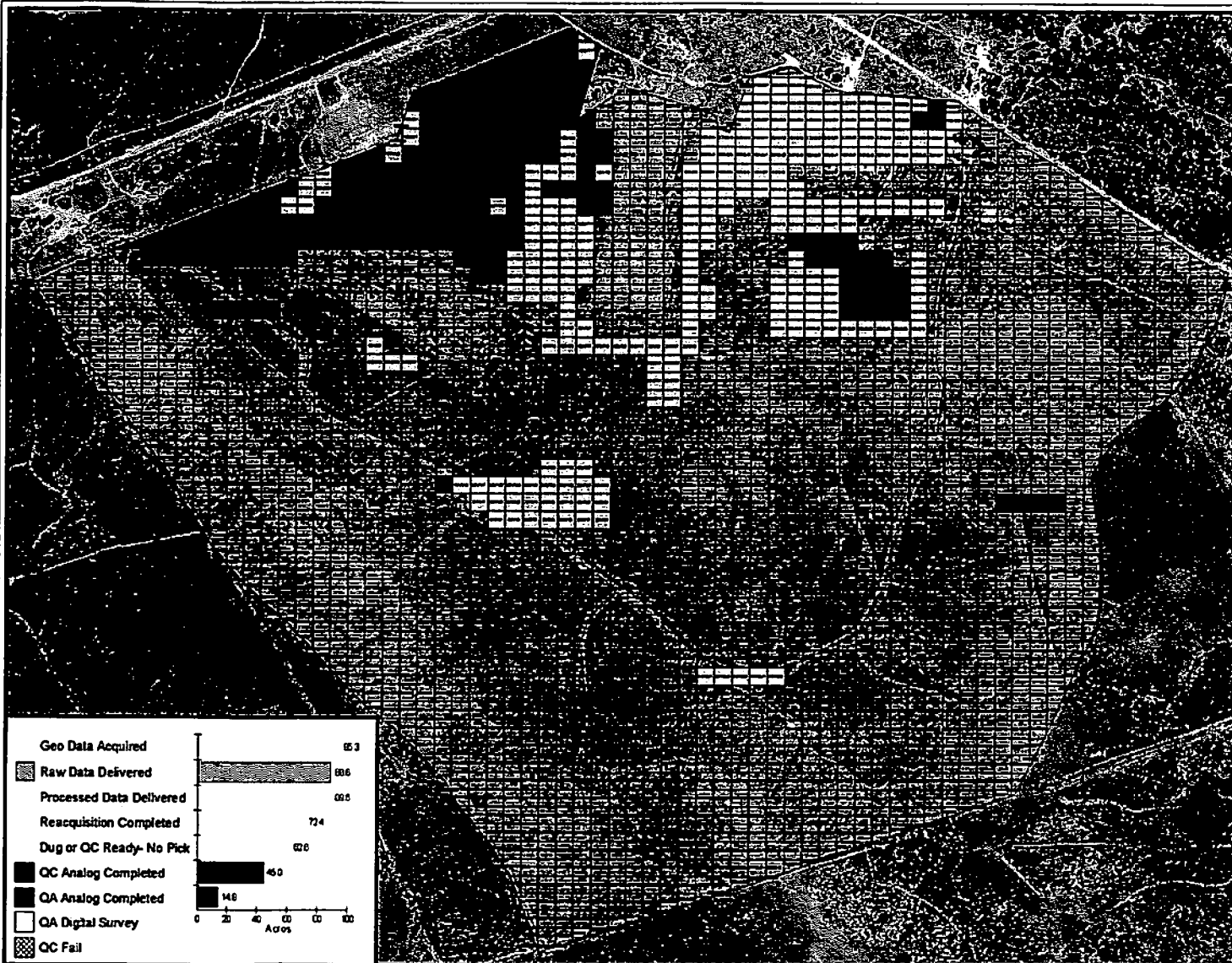
FORMER FORT ORD MONTEREY, CALIFORNIA	
DRJ	DRJ
APN	APN
OWG	OWG
<small> Date: 01/04/2005 at 09:25 AM 2000 ft from Eucalyptus Road Fort Ord MAPS Database GIS_ProposedMap_range43-48_FO.mxd </small>	

1/10/2005

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831-242-7919

MDS Datasheet 12 12

Geophysical Operations Status
MRS-Ranges 43-48
Complete as of
Jan 04, 2005 at 11:30 AM



FORMER FORT ORD MONTEREY, CALIFORNIA	
DATE	Jan 04, 2005 at 11:30 AM
BY	ADH
FOR	FOR O&M DATA

lyle.shurtleff@monterey.army.mil/
831-242-7919

1/10/2005

MMRP Fieldwork continued

As of 4 January 05

Chronological by priority

Acreage is estimated

Phase III Impact Area Fuel Breaks (82 acres)

Start Date: 21 Jul 03

Estimated date complete: TBD

ACTION: Removal to depth

Work suspended (78 percent subsurface removal complete) due to restrictions resulting from listing of California Tiger Salamander (CTS) habitat as threatened.

Issues and Concerns:

Possible adjustment to fuel break widths and variety may result from lessons learned from MRS Ranges 43-48 vegetation burn

MMRP Fieldwork continued

As of 4 January 05

Chronological by priority

Acreage is estimated

Phase II South Boundary Fuel Break (35 acres)

Start Date: TBD

ACTION: Cut vegetation and conduct munitions reconnaissance north of SBR to establish Minimum Safe Distance (MSD) for POM fire department support vegetation burn of MRS 16.

Issues and Concerns:

Action must be coordinated with USF&W concerning cutting of Chaparral habitat and concurrently with primary fuel break cutting requirement for Site 16 (pending contractor approval).

1/10/2005

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MMRP Fieldwork continued

As of 4 January 05

Chronological by priority

Acreage is estimated

Site Preparation MRS 16

Start Date: 1 March 05

Estimated Completion Date: 1 Jan 06

ACTION: Prepare fuel breaks and other control and monitoring systems for planned vegetation burn (July 2005)

Issues and Concerns:

California Tiger Salamander status currently prevents fieldwork associated with Site 16
Vegetation burn preparation.

As of 4 January 05

MMRP Fieldwork Update

Unexploded Ordnance (UXO)/Munitions Debris (MD)/ Range Related Debris (RRD) Summary

<u>Description</u>	<u>UXO/DMM/TBD</u> <u>(Items)</u>	<u>MD</u> <u>(lbs.)</u>	<u>RRD</u> <u>(lbs.)</u>
MR Site MOCO.2	551 (UXO/DMM)	1,545	12,471
MR Site SEA 1-4	540 (UXO/DMM)	10,154	90,169
MR Site Ranges 43-48	9,228	210,750	162,598
Target Debris			1,375,870

As of 4 January 05

MMRP Site Security Program

Trespass and MEC Incidents

- No trespass reported this period
- **12-14-04 Zinc base of a 40mm M781 practice grenade discovered by BLM staff during seeding operations off of old trail 49, Picnic Canyon**
- USACE responded. Disposed as scrap

Community Education

Other