

**SUBJECT: MR BCT Meeting**  
**May 24, 2011**  
**1:30 PM BRAC Conference Room**

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5/28/2011  
MRLT  
BW-2437

**Final  
Second Five-Year Review Report  
Fort Ord Superfund Site  
Monterey, California**

September 10, 2007

**Department of the Army**  
**U.S. Army Corps of Engineers, Sacramento District**  
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### **APPENDIX**

- A RESPONSE TO COMMENTS ON THE DRAFT FIVE-YEAR REVIEW REPORT, SECOND FIVE-YEAR REVIEW REPORT FOR FORT ORD SUPERFUND SITE, MONTEREY, CALIFORNIA DATED JUNE AND JULY 2007

## 1.0 INTRODUCTION

The purpose of the five-year review is to determine whether the remedy at a site continues to be protective of human health and the environment after a period of 5 years from the time the remedy was implemented (or from the time of a previous five-year review). The methods, findings, and conclusions of the five-year review are documented in a Five-Year Review report. In addition, the Five-Year Review report documents any site-related data or issues identified during the review, and recommendations to address them as appropriate.

The U. S. Department of Army (Army) is preparing this Five-Year Review report pursuant to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) §121 and the National Contingency Plan (NCP). CERCLA §121 states:

*If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each five years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with section [104] or [106], the President shall take or require such action. The President shall report to the Congress a list of facilities for which such review is required, the results of all such reviews, and any actions taken as a result of such reviews.*

The US Environmental Protection Agency (EPA) interpreted this requirement further in the NCP; 40 Code of Federal Regulations §300.430(f)(4)(ii) which states:

*If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such action no less often than every five years after the initiation of the selected remedial action.*

The Army conducted the five-year review of all remedies implemented at the Fort Ord Superfund Site in Monterey County, California (Plate 1). This document was developed during the period from October 2006 through May 2007. This report documents the results of the review of remedies implemented at Fort Ord documented in Records of Decision (RODs) and other areas shown on Plates 2 through 4 and summarized below:

- Operable Unit 1 (OU 1) ROD — Fritzsche Army Airfield
- Operable Unit 2 (OU 2) ROD — Fort Ord Landfills
- Basewide RI Sites ROD
  - Sites 2/12 (Site 2: Main Garrison Sewage Treatment Plant (MGSTP); Site 12: Lower Meadow Disposal Area, Department of Logistics (DOL) Automotive Yard, Cannibalization Yard and Industrial Area, Southern Pacific Railroad (SPRR) Spur, Outfall (OF) 31 Area
  - Sites 16 and 17 (Site 16: DOL Maintenance Yard, Pete's Pond, Pete's Pond Extension; Site 17: Disposal Area and Other Areas)
  - Site 31 (Former Dump Site)
  - Site 39 (Inland Ranges)

- Surface Water OFs (OF-1 through OF-14; OF-16 through OF-30; OF-32, OF-33)
- Site 25 (Equipment Storage Area)
- Site 33 (Golf Course Maintenance Area)
- Site 3 Interim ROD — Beach Trainfire Ranges
- No Action (NoA) Sites ROD
- Interim Action (IA) Sites ROD
- Operable Unit Carbon Tetrachloride Plume (OUCTP) ROD (in progress)
- Track 0 ROD
- Track 1 ROD
- Parker Flats MR Area, Track 2 ROD (in progress)
- Interim Action Site MR ROD
- Impact Area MR Area, Track 3 ROD (in progress)
- Del Rey Oaks MR Area, Track 2 ROD (in progress)
- Munitions Response (MR)
- Other Investigations (not addressed under one of the RODs above)
  - Resource Conservation and Recovery Act (RCRA) Closures
  - Basewide Range Assessment

The first Five-Year review was triggered by the remedial action at the OU 2 Landfill on May 17, 1997. This second Five-Year review includes the OUs, plus areas with MEC (MEC). The five-year review is required since hazardous substances, pollutants, or contaminants remain at the site above levels that allow for unlimited use and unrestricted exposure.

## **1.1 Five-Year Review Report Organization**

This Five-Year Review Report is organized as follows:

**Section 1 – Introduction.** Describes the purpose and scope of the Five-Year Review report and summarizes its organization.

**Section 2 – Site Chronology Table.** Summarizes the chronology of cleanup-related events at Fort Ord that are reviewed in this report.

**Section 3 – Fort Ord Background.** Describes the general physical characteristics and land uses including land transfers at Fort Ord; the history of contamination; initial responses to the presence of contamination; and the basis for actions taken to address the contamination.

**Section 4 – Five-Year Review Process.** Summarizes the components of the second Five-Year Review process, including administrative and community involvement components; and data review, site inspection, and interview procedures.

**Section 5 – OU 1 ROD Fritzsche Army Airfield.** Presents background information on OU 1 — Fritzsche Army Airfield (FAAF); a summary of remedial actions, a technical assessment of the actions

taken at the site, and progress since the last five-year review; identifies any issues related to the protectiveness of the remedy based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedies.

**Section 6 – OU 2 ROD - Fort Ord Landfills.** Presents background information on OU 2 — Fort Ord Landfills; a summary of remedial actions, a technical assessment of the actions taken at the site, and progress since the last five-year review; identifies any issues related to the protectiveness of the remedy based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedies.

**Section 7 – Basewide Remedial Investigation Sites ROD.** Presents background information on the Basewide RI sites; a summary of remedial actions, a technical assessment of the actions taken at these sites, and progress since the last five-year review; identifies any issues related to the protectiveness of the remedies based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedies.

**Section 8 – Site 3 Interim ROD.** Presents background information on the Site 3 Interim ROD; a summary of remedial actions, a technical assessment of the actions taken at this site, and progress since the last five-year review; identifies any issues related to the protectiveness of the remedy based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedy.

**Section 9 – No Action Sites ROD.** Presents background information on the NoA Sites ROD and a summary of remedial actions.

**Section 10 – Interim Action Sites ROD.** Presents background information on the IA Sites ROD; a summary of remedial actions and a technical assessment of the actions taken at these sites, and progress since the last five-year review; identifies any issues related to the protectiveness of the remedies based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedies.

**Section 11 – Operable Unit Carbon Tetrachloride Plume (OUCTP) ROD (in progress).** Presents background information on the CT plume; a summary of remedial actions and a technical assessment of the actions taken at these sites; identifies any issues related to the protectiveness of the remedies based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedies.

**Section 12 – Track 0 ROD.** Presents background information on the Track 0 (NoA) ROD regarding MR; a summary of remedial actions and a technical assessment of the actions taken at these sites; identifies any issues related to the protectiveness of the remedies based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedies.

**Section 13 – Track 1 ROD.** Presents background information on the Track 1 ROD regarding MR; a summary of remedial actions and a technical assessment of the actions taken at these sites; identifies any issues related to the protectiveness of the remedies based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedies.

**Section 14 – Parker Flats Munitions Response Area, Track 2 ROD (in progress).** Presents background information on the Parker Flats MR Area, Track 2 MR ROD (Parker Flats ROD); a summary of preferred remedial alternative; identifies any issues related to the protectiveness of the remedies based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedies.

**Section 15 – Interim Action Site Munitions Response ROD.** Presents background information on the IA sites MR ROD; a summary of remedial actions and a technical assessment of the actions taken at these sites; identifies any issues related to the protectiveness of the remedies based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedies.

**Section 16 – Impact Area Munitions Response Area, Track 3 ROD (in progress).** Presents background information on the Impact Area MR Area, Track 3 MR (RI/FS) a summary of preferred remedial alternative; identifies any issues related to the protectiveness of the remedies based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedies.

**Section 17 – Del Rey Oaks Munitions Response Area, Track 2 ROD (in progress).** Presents background information on the Del Ray Oaks MR Area, Track 2 MR RI/FS; a summary of preferred remedial alternative; identifies any issues related to the protectiveness of the remedies based on the review; presents recommendations and follow-up actions, if needed, to address issues identified during the review; and provides a statement regarding the protectiveness of the site remedies.

**Section 18 – Status of Other Investigations.** Provides background information and status reports on other investigations at Fort Ord not addressed under one of the RODs described above.

**Section 19 – Next Review.** Describes the schedule for the next Five-Year Review to be conducted at Fort Ord.

**Section 20 – References.** Provides a list of references to pertinent documents cited in the report.

## 2.0 SITE CHRONOLOGY TABLE

The table below presents a summary of the chronology of cleanup-related events at Fort Ord.

Event	Date
<b>Pre-NPL Responses</b>	
OU 1 (Fritzsche Army Airfield Fire Drill Area) Investigation	1984
OU 2 (Fort Ord Landfill) Investigation	1986
<b>NPL Listing</b>	
Federal Facility Agreement signed	7/1990
Base Realignment and Closure (BRAC) Listing	7/1991
Panetta Legislation (Public Law 102-190)	12/1991
Interim Action ROD (IAROD)	3/1994
OU 2, Fort Ord Landfills, Record of Decision (ROD)	8/1994
No Action Plug-In ROD	4/1995
OU 1, Fritzsche Army Airfield, ROD	9/1995
OU 2 Explanation of Significant Differences (ESD) #1	8/1995
Remedial Investigation/Feasibility Study Completed	10/1995
OU 2 ESD #2	8/1996
OU 2 ESD #3	1/1997
Interim ROD, Site 3 Beach Trainfire Ranges	1/1997
Basewide Remedial Investigation Sites ROD	1/1997
No Action MR ROD, Track 0	6/2002
Interim Action MR ROD for Ranges 43-48, Range 30A, and Site OE-16	9/2002
Site 39 ESD	12/2003
Track 1 MR RI/FS Completed	6/2004
No Further Action ROD for Track 1 Sites and for Site 3 (MRS-22) with Monitoring	4/2005
Track 0 ESD	4/2005
OU 2 ESD #4	8/2006
Operable Unit Carbon Tetrachloride Plume Proposed Plan	5/2006
Track 2 Parker Flats MRA MR RI/FS Completed	8/2006
Draft Final Comprehensive Basewide Range Assessment Report	11/2006
Track 3 Impact Area MRA MR RI/FS (draft final)	1/2007
Track 2 Parker Flats MRA Proposed Plan	2/2007
Track 2 Del Rey Oaks MRA MR RI/FS (draft)	3/2007
FS Addendum, Site 39 Ranges (draft)	5/2007
Track 3 Impact Area MRA MR Proposed Plan	6/2007

BLM East Status Update

5/24/2011  
WRE BCT

Area	Document Status	Field Work						Comments
		started	completed	Recon	Schonstedt Anomaly	EM61 Transect	Additional Investigation	
BLM East Post 1940 Southern Area	Final	9/13/10	1/4/11	Planned = 35 mi.	Planned = 6 mi.		Practice Land Mine Area	Army conducted investigation on 1/24 and 2/3 and indicated that additional investigation was not warranted. Army will prepare a report.
				Actual = 60 mi.	Actual = 13 mi.		Soil Sampling of bare spot (possible Slag Area?) under BRA Program	
BLM East - Post 1940 Northern Area	Final	10/20/10	1/10/11	Planned = 25 mi.	Planned = 7 mi.		Crater areas identified	Soil samples collected on 4/5. FWV under BRA program.
				Actual = 61 mi.	Actual = 19 mi.			
BLM East -Pre 1940 Northern Area and Southern Area	Final	1/11/11	3/7/11	Planned = 28 mi.	Planned = 10 mi.	Planned = 1 mi.*		USACE conducted investigation on subsurface anomalies on 4/5 and 6. Prepare FWV for change from EM61 to Schonstedt
				Actual = 63 mi.	Actual = 23 mi.			
BLM North (N&S Areas)	Addressing Comments/ revised approach	3/8/11		Planned = 6 mi.	Planned = 18 mi.	Planned = 7 mi.**		Prepare FWV under BRA program to collect soil samples from crater area.
				Actual = 18 mi.	Actual = 44 mi.	Actual = 2.9 mi.		
BLM HQ Track I Approval Memo	Addressing Comments							
BLM North (N&S Areas) ESP	Interim Army approval received on 5/20							

Notes:  
\* initially surveyed using Schonstedt  
\*\* ESP needed for anomaly investigation



5/24/2011  
MRBCT

# Technical Items: 22
# Community Outreach Items: 39

**FORT ORD REUSE AUTHORITY  
FORA ESCA REMEDIATION PROGRAM**

**Technical Progress and Summary of Public Participation**

**April 2011**

**Document Technical Progress or Work Completed**

FORA ESCA Remediation Program's critical dates, technical progress, or work completed within the month of April are:

April 4, 2011: Received and reviewed Quality Assurance Oversight Professional (QAOP) Draft Third Party Quality Assurance (QA) Report for Parker Flats Phase 2 Work Areas 4, 5, 6 & 7.

April 6, 2011: Prepared the draft May FORA Board ESCA Update Board Report.

April 6, 2011: Field update with ESCA contractor (Field Manager).

April 6, 2011: Request from ARCADIS to provide FORA with change orders to cover non-ESCA work to support outside organizations' requests for access for surveys and other work on ESCA property.

April 6, 2011: Meeting with the Monterey Downs Horse Park to discuss the status of the ESCA and the ESCA cleanup and paperwork on the Horse Park property.

April 7, 2011: Meeting with ARCADIS to revise the ESCA update PowerPoint presentation for the upcoming Army Community Involvement Workshop (CIW).

April 11, 2011: Sent the monthly ESCA AOC Report to the Regulators.

April 12, 2011: Monthly ESCA Regulatory meeting.

April 14, 2011: Attended the Army Technical Review Committee meeting and provided a PowerPoint update presentation on the ESCA Remediation Program.

April 18, 2011: Reviewed and approved the QAOP'S Invoice #31 for FORA ESCA Third-Party QA work.

April 19, 2011: Bi-weekly ESCA team conference call.

- April 19, 2011: Coordination with ARCADIS on a change order to the FORA/ARCADIS Remedial Services Agreement (RSA) to address ESCA team services provided to cover special requests by outside agencies for access to and projects on ESCA property before site closure has been received.
- April 21, 2011: Drafted FORA Board Report that describes the FORA/ARCADIS CCO #5 to provide FORA with services to agencies requiring access to ESCA property and the Reimbursement Agreements that FORA is entering into with these outside agencies.
- April 21, 2011: Reviewed the draft Seaside Residential Quality Assurance (RQA) Level 1 Technical Memo.
- April 21, 2011: Discussed borderland conditions on ESCA-Seaside residential property with ARCADIS.
- April 22, 2011: Collected information for FORA Special Counsel for a review of the RQA cost savings section in the ESCA grant document.
- April 22, 2011: Drafted a letter on behalf of FORA Executive Officer to send to Mr. Tom Lederle (Army) regarding the latest Army comments on the ESCA Group Proposed Plan document.
- April 22, 2011: Coordinated with ARCADIS to provide FORA Special Counsel with information about the ESCA RQA process and documenting Army, EPA and DTSC participation.
- April 25, 2011: Assisted FORA Special Counsel with access to the FTP web site to review the ESCA RQA cost savings section in the ESCA grant document.
- April 27, 2011: Monthly Army Munitions Response Base Cleanup Team (MR BCT) in San Francisco and provided an update on the ESCA program.
- April 28, 2011: Conference Call with the Regulators to discuss the Seaside MRA RQA Level 1 memorandum and the upcoming Level 2 work to be performed.
- April 28, 2011: Attended the FORA Eucalyptus Road Phase 2 pre-bid meeting with ARCADIS and Weston Solutions to provide information on the requirements for site security, Unexploded Ordnance (UXO) Awareness Training, construction support and methods for keeping operations within the approved roadway corridor.

## Summary of Public Participation

FORA ESCA Remediation Program's critical outreach dates and public participation completed within the month of April are:

April 1, 2011: ESCA Hotline updates.

April 1, 2011: ESCA updates for CSUMB, Fort Ord Google Users Group listserv, Facebook and Twitter general distribution.

April 4, 2011: Finalized the FORA/Monterey Peninsula Water Management District (MPWMD) reimbursement agreement.

April 4, 2011: Finalized the FORA/Monterey Horse Park reimbursement agreement.

April 5, 2011: Communication with the Presidio of Monterey (POM) regarding how the Army will handle the potential risks for fire during fire season when they use the MOUT facility (an ESCA property).

April 5, 2011: Sent ARCADIS the Marina In Motion (MIM) comments on the Draft Final Phase 2 Interim Action Work Plan Interim Action Ranges Munitions Response Area.

April 5, 2011: Meeting with ARCADIS to 1) prepare for meeting with the Monterey Horse Park; 2) Schedule UXO escorts; and 3) create the Change Orders and Purchase Orders for ARCADIS (and the rest of the ESCA team) to provide FORA with services that are not within the scope of the ESCA grant but on FORA-owned ESCA properties as requested by multiple outside agencies.

April 5, 2011: Created an "ESCA UXO Escort Coordination Form" for use by ARCADIS and outside agencies seeking UXO escort services.

April 5, 2011: Received and reviewed the Marina In Motion (MIM) comments on the Draft Final Phase 2 Interim Action Work Plan Interim Action Ranges Munitions Response Area.

April 6, 2011: Finalized the Right of Entry (ROE) for Monterey Peninsula College (MPC) biologists to access ESCA parcel E19a.5. This parcel has received Regulator site closure.

April 6, 2011: Provided California American Water Co., working with the contractor RBF, with the latest Reimbursement Agreement template for working on ESCA property with instructions to complete and return to the ESCA RP.

April 7, 2011: Coordinated field access and escorts for biological surveys for Eastside Parkway through ESCA property.

- April 7, 2011: Meeting with California American Water Co. to receive an update on their Terminal Reservoir Project planned to be in a section of the Seaside portion of the ESCA property.
- April 8, 2011: ESCA Hotline updates.
- April 8, 2011: ESCA updates for CSUMB, Fort Ord Google Users Group listserv, Facebook and Twitter general distribution.
- April 11, 2011: Completed a Right of Entry (ROE) for MPC to access ESCA property E19a.5 for biological monitoring.
- April 13, 2011: Attended the Army Community Involvement Workshop (CIW) and provided a PowerPoint update presentation on the ESCA Remediation Program.
- April 13, 2011: Participated in a meeting with the Army and MIM prior to CIW for MIM to ask questions on the Fort Ord cleanup program that includes the ESCA.
- April 13, 2011: Received a copy of the letter that Fort Ord Recreation Trails (FORT) Friends submitted to the FORA Administrative Committee requesting that FORA participate financially in the County Planning effort for the future County properties that are currently in the ESCA.
- April 13, 2011: Received a summary from ESCA Coordinator for a meeting with the CSUMB Cycle Center management to coordinate CSUMB student information about the ESCA property and the ESCA Access Corridor system to reach BLM property for cycling opportunities.
- April 13, 2011: Coordination with MPC on their draft reimbursement agreement and ROE for their biological monitoring at the MOUT site.
- April 14, 2011: Communication with ARCADIS to schedule a meeting with FORA Executive Officer to brief him on the Fort Ord BRAC office's understanding of FORA's role in MEC Construction Support and Habitat monitoring.
- April 14, 2011: Meeting with Bureau of Land Management (BLM) to coordinate trail signage on ESCA and BLM property.
- April 14, 2011: Attended the Sea Otter Classic on April 14<sup>th</sup> and 15<sup>th</sup> and shared an informational booth with BLM.
- April 15, 2011: ESCA Hotline updates.
- April 15, 2011: ESCA updates for CSUMB, Fort Ord Google Users Group listserv, Facebook and Twitter general distribution.

April 18, 2011: Finalized the FORA/Monterey Horse Park Right of Entry for biological surveys on the ESCA property.

April 18, 2011: Received and reviewed ESCA Coordinator's report on the ESCA community outreach efforts at the Sea Otter Classic event.

April 19, 2011: Attended the Laguna Seca Post-Event Sea Otter Classic, Pre-Event Ferrari meeting to discuss coordination with the ESCA cleanup efforts and the use of the Laguna Seca parking lots that are ESCA property.

April 20, 2011: Issued vehicle access permits to MPC consultants to support their biological surveys in the Phase 1 Parker Flats ESCA parcel E19a.5.

April 20, 2011: Coordination with Monterey Off-Road Cycling Association (MORCA) to prepare a 2011-2012 ROE for MORCA club rides in portions of the ESCA properties that have received Regulatory Closure.

April 21, 2011: Attended the California State University Monterey Bay (CSUMB) Earth Day Celebration and staffed an informational booth.

April 22, 2011: Provided Vehicle Access permits to MPC consultants to conduct biological surveys on future MPC properties located in the ESCA Parker Flats Phase 1 properties.

April 22, 2011: Provided Vehicle Access Permits to Monterey Horse Park biological consultants to conduct biological surveys on future Horse Park properties pending coordination of UXO escorts for ESCA Parker Flats Phase 2 properties.

April 22, 2011: ESCA Hotline updates.

April 22, 2011: ESCA updates for CSUMB, Fort Ord Google Users Group listserv, Facebook and Twitter general distribution.

April 27, 2011: FORT Friends meeting. ESCA Coordinator provided an ESCA update.

April 29, 2011: ESCA Hotline updates.

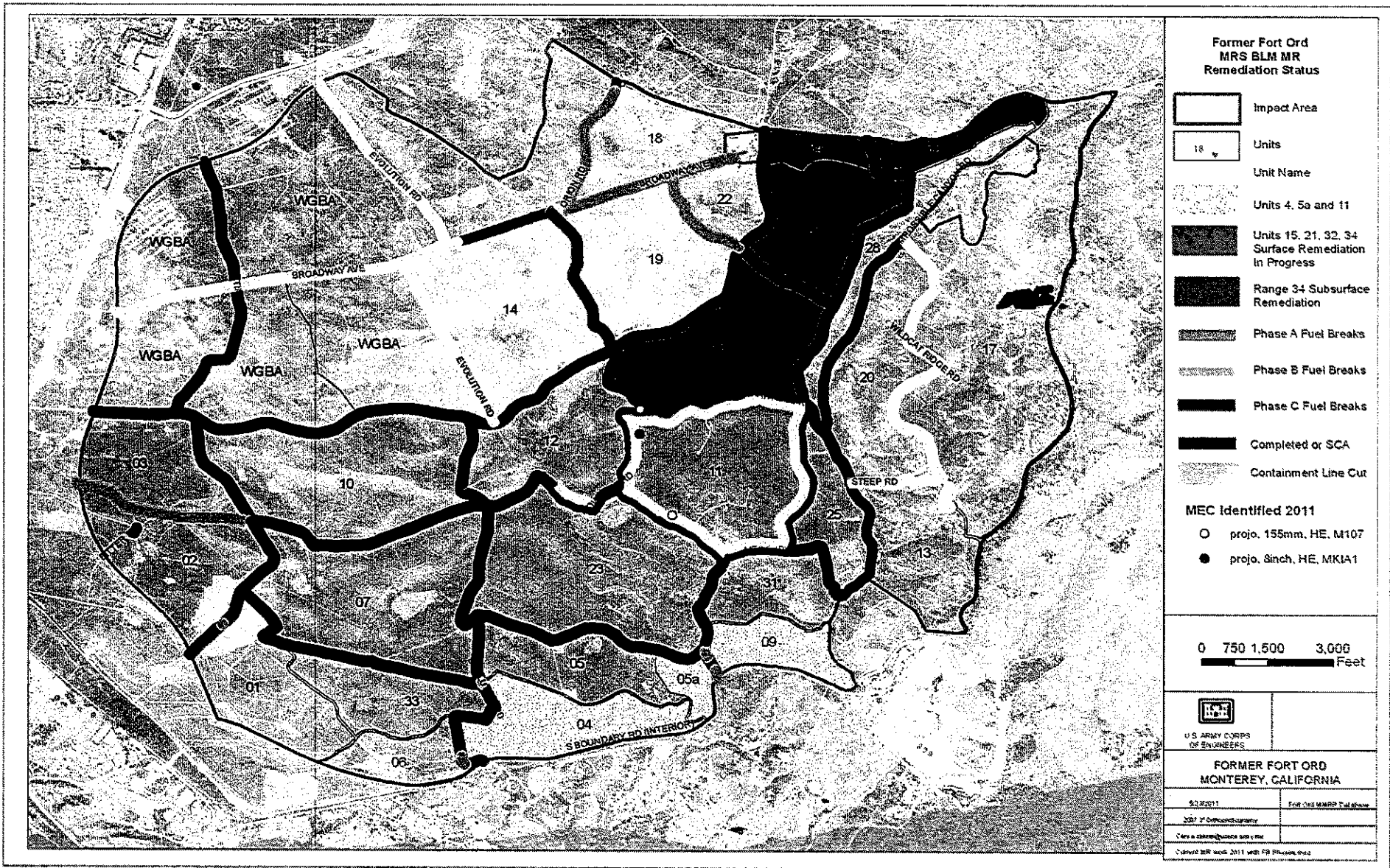
April 29, 2011: ESCA updates for CSUMB, Fort Ord Google Users Group listserv, Facebook and Twitter general distribution.

### **Project Updates to Coordinated Resource Management Planning (CRMP) meeting**

FORA's critical dates, CRMP updates completed within the month of April are:

N/A

# MMRP Fieldwork Update



# MMRP Fieldwork Update

PROJECT: MRS-BLM (Track 3) Unit 15/21/32/34 (497 acres)

A Track 3 ROD MMRP action located in the north-eastern portion of MRS-BLM. . The area is scheduled for vegetation removal, technology-aided surface remediation, and subsurface remediation in selected areas. MEC remediation is complete. DGM is approximately 30 percent complete.

Start date: May 2010 (prep)

Estimated end date : October 2011

## PHASES:

	Start	End
Site preparation (fuel breaks/bldg. removal)	05-01-10	08-13-10
Vegetation removal		
- prescribed burn	10-07-10	10-08-10
- Post burn vegetation cutting	10-19-10	11-16-10
MEC Removal		
- Surface remediation	12-06-10	02-16-11
- Subsurface remediation, limited		
DGM (minus portion of Unit 32)	03-09-11	(10-01-11)

## ISSUES AND CONCERNS:

- **Habitat constraints remain for sections of both units.**
- Current schedule to TM date remains attainable.
- A portion Unit 32 is not accessible to vegetation cutting/DGM equipment

5/24/2011

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# MMRP Fieldwork Update

PROJECT: MRS-BLM (Track 3) Non-Burn Areas (509 acres)

An MMRP action in accordance with the Track 3 ROD including vegetation clearance, technology-aided surface MEC remediation, subsurface MEC remediation in selected areas, and digital geophysical mapping (DGM). in an areas located within the Impact Area including permanent fuel breaks, non-burn habitat areas, and 100 ft buffer areas.

Start date: March 2010

Estimated end date : TBD

## PHASES:

Site preparation

Start  
as required

End  
as required

Vegetation removal

- vegetation cutting

as required

as required

DGM

08-23-10

01-05-11 (fuel breaks)

MEC Removal

- surface remediation

- subsurface remediation, (Phase A)

as required  
05-16-11

as required  
06-15-11

## ISSUES AND CONCERNS:

- Fuel break SCAs will be confirmed or resolved.
- **Phases**
  - **Phase A - Areas where an ESS/LDSP is in place to complete the work**
  - **Phase B - Areas that work crews will not interfere with Unit 11/12 remediation.**
  - **Phase C - The remaining roads/grids.**
- A TIP describing the results of the DGM in the fuel breaks is pending.

5/24/2011

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# MMRP Fieldwork Update

PROJECT: MRS-BLM (Track 3) Units 4/5A/9/11/12 (727 acres)

An MMRP action in accordance with the Track 3 ROD including vegetation removal, technology-aided (TA) surface remediation, subsurface MEC remediation in selected areas, and digital geophysical mapping (DGM).

Start date: July 2011

Estimated end date : June 2012

## PHASES:

	Start	End
Site preparation		
- Cutting of containment lines	05-04-11	(06-15-11)
- TA Surface Remediation (containment lines)	04-19-11	(07-01-11)
Vegetation removal		
- Cutting	(Pending biological opinion)	
DGM		
MEC Removal		
- TA Surface remediation		
- Subsurface remediation, limited		

## ISSUES AND CONCERNS:

- **Heavy artillery UXO has been discovered on Units 11 and 12 that requires action safety distances beyond appropriate prescribed burn applications. Planned containment line cutting continues (234' Units 11/12).**
- **Cutting of Units 4, 5A, and 9 and the remainder of Units 11/12, if necessary, is pending approved biological opinion.**

5/24/2011

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## MMRP Fieldwork Update

Unexploded Ordnance (UXO) / Discarded Military Munitions (DMM) /  
To Be Determined (TBD), Munitions Debris (MD), and Range Related Debris (RRD)  
Summary

<b>Detonations</b>	<b>Location</b>	<b>Items</b>	<b>Result</b>	
		<b>TBD/UXO/DMM</b>	<b>MD</b>	<b>RRD</b>
<b>Remediation</b>		<b>Items</b>	<b>lbs</b>	<b>lbs</b>
Units 15/21/32/34		35	8,500	32,312
Units 11/12		3		

# MMRP Site Security Program

- Trespass Incidents:
  - Last 30 days: 0 Year to Date: 1
- MEC Incidents:
  - Last 30 Days: 1 (pending response) Year to Date: 8
- Community Education:
  - Total recipients in 2011 to date: 0
- MEC Rec and Safety Tng:
  - Total personnel trained in 2011 to date: 88
- Other:
  - **Annual Surface Monitoring Report is in progress**
  - **Annual MRS Security report is in progress.**
  - **Site Security Program Committee meeting (2-23-11) summary has been published.**

# U.S. Army Community Outreach Update

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## **Actions Underway:**

1. Marina in Motion (MIM) monthly updates from the Army for "big picture" issues and progress reports based on document schedules, field work and regulatory issues.
2. Updating all fact sheets – on-going
3. Send Annual Report – the annual Fort Ord Cleanup Newsletter (Scheduled for distribution mid-June)
4. Begin 2011 Community Survey (mid-June 2011)
5. Ongoing updates to 2011 burn-related outreach materials

## **Recent Activities:**

1. 1MAY Update for MIM (on-going activities and document update)
2. 7-8MAY Wind Fest information booth
3. 14MAY Conducted mobile workshop/guided walk inside the Impact Area
4. 19MAY Conducted tour for Presidio Trust environmental representatives

## **Upcoming Activities**

1. 27MAY Presidio of Monterey Safety Day information booth
2. 25JUN Open House / Bus Tour focus on munitions clearance
3. 27JUN MIM Quarterly Public Meeting
4. 27JUN Tour for MIM/TAs all Fort Ord cleanup projects (landfill, treatment plants, burn units/impact area) 9-Noon
5. 19-22JUL USEPA Community Involvement Conference
6. 10-11AUG CIW and TRC Topics: ESCA, Site 39, Annual Landfill Update (poster station for outreach)
7. 2-3 SEP Information booth at the Monterey County Fair (Army and ESCA)
8. TBD Conduct tour for Park Lane retirement home residents – spring
9. TBD Summer ESCA Group 3 Proposed Plan public meeting
10. TBD Risk communication class
11. TBD Conduct Fort Ord Cleanup tour for staff at Monterey County Health Department and Air District
12. TBD Conduct tour for Fort Ord Widow and Widowers club (POC: E. Springer)

## STATUS: RESPONSE to COMMUNITY COMMENTS (RTC)

AR Number	Title/Subject	Status
OE-0728.3, 1/11/11	Comments submitted by Community Group Marina In Motion on the Draft MRS-BLM Units 14 and 19, Technical Memorandum Addendum, Former Fort Ord, California (2009 Burns)	RTC is complete, OE-0723A, 5/13/11
BW-2564, 2/15/11	Comments submitted by Lance Houston of FOCAG regarding online aspects of the Administrative Record. (Note: letter was postmarked 4/4/11)	RTC complete. BW-2567, 4/19/11
OE-0732.2, 2/14/11	Comments submitted by Community Group Marina In Motion on the Draft Prescribed Burn MRS Units 15, 21, 32, and 34, After Action Report, Former Fort Ord, California, Revision C.	RTC is complete. OE-0732A, 5/9/11
BW-2550.3, 3/14/11	Comments submitted by Community Group Marina In Motion on the Draft Analysis of the 2009 Survey and Community Program.	RTC is complete, BW-2550A, 5/18/11
BW-2550.3, 3/15/11	Comments submitted by Community Group Fort Ord Community Advisory Group on the Draft Analysis of the 2009 Survey and Community Program.	RTC is complete, BW-2550A,5/18/11
OE-0735.2, 3/21/11	Comments submitted by community group Marina In Motion on the Draft MRS-BLM Units 11 and 12 (2011 Units) Prescribed Burn Plan and Prescribed Burn Air Sampling and Analysis Plan, MRS-BLM Burn Units 11 and 12, Former Fort Ord, California	RTC is complete. OE-0735D, 5/12/11
OE-0736.2, 3/21/11	Comments submitted by community group Marina In Motion on the Draft Site Specific Work Plan, Munitions and Explosives of Concern Remedial Action, MRS-BLM Units 4, 5A, 9, 11 and 12, Former Fort Ord, California	RTC is in progress
OE-0733.2, 3/21/11	Comments submitted by community group Marina In Motion on the Draft Technical Memorandum, Site Assessment Approach, BLM North, Northern and Southern Portions, Remaining RI/FS Areas, Former Fort Ord, California	RTC is in progress
ESCA-0249A.3, 3/12/11	Comments submitted by community group Marina In Motion on the Draft Final Group 3 RI/FS Report, Volume 1-3 - Del Rey Oaks / Monterey, Laguna Seca Parking, and MOUT Site MRAs, FORA ESCA Remediation Program	RTC is in progress – ESCA program
ESCA-4/5/11	Comments submitted by community group Marina In Motion on the Draft Final Phase II Interim Action Work Plan, Interim Action Ranges, Munitions Response Area, FORA ESCA Remediation Program	RTC is in progress – ESCA program
OE-0741.3, 4/25/11	Comments submitted by community group Marina In Motion on the Track 1 Plug-In Approval Memorandum Parcel E20c.1 & MRS-24A/C, Former Fort Ord, California	RTC is in progress
OE-0740.3, 4/25/11	Comments submitted by community group Marina In Motion on the Track 1 Plug-In Approval Memorandum, BLM-Headquarters and MRS-35, Former Fort Ord, California.	RTC is in progress
OE-0740.4, 4/27/11	Comments submitted by community group Fort Ord Community Advisory Group on the Track 1 Plug-In Approval Memorandum, BLM-Headquarters and MRS-35, Former Fort Ord, California.	RTC is in progress

# Jobs and Taskers

## June 25, 2011 Open House/Bus Tour

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### Everyone:

Location: Building 4522

Please arrive no later than 9:00 for the early birds!

Bring a sweater /jacket

You may want to pack your own lunch and/or a coffee

### Participants:

- Landfill, Tom Ghigliotto
  - MR Display Boards, Chieko Nguyen and Chris Prescott
  - Groundwater, Derek Lieberman
  - Prescribed Burns, Chris Duymich
  - Site 39, Tom Ghigliotto
  - Habitat, Bill Collins
  - Sign in table, Audrey Johnson
  - Refreshment table, Audrey Johnson/Rob Robinson
  - Media Relations, Gail Youngblood
  - Photographer, Gail Youngblood
  - Parking director, Rob Robinson
  - Assistant Parking Directors: Scott Lutes and Caleb Schneider
  - Marina Coast Water District: Paul Lord
  - FORA, Laura Vidaurri
  - Tour Guides Bus 1: Melissa Broadston, ESCA Representative
  - Tour Guide Bus 2: Lyle Shurtleff, ESCA representative typically Aimee or Jeff)
- Total of 10 display tables – includes potential special guests –Marina In Motion

### Schedule for the day

8:30 Open doors and set-up refreshments (Melissa and Audrey)

9:00 Staffers (everybody else) arrive to talk to early birds

9:45 First Bus Tour Loads

10:00 First Bus Tour Leaves

11:30 First Bus Returns and Second Bus Loads

11:45 Second bus tour Leaves

1:15 Second bus tour Returns

We go home!

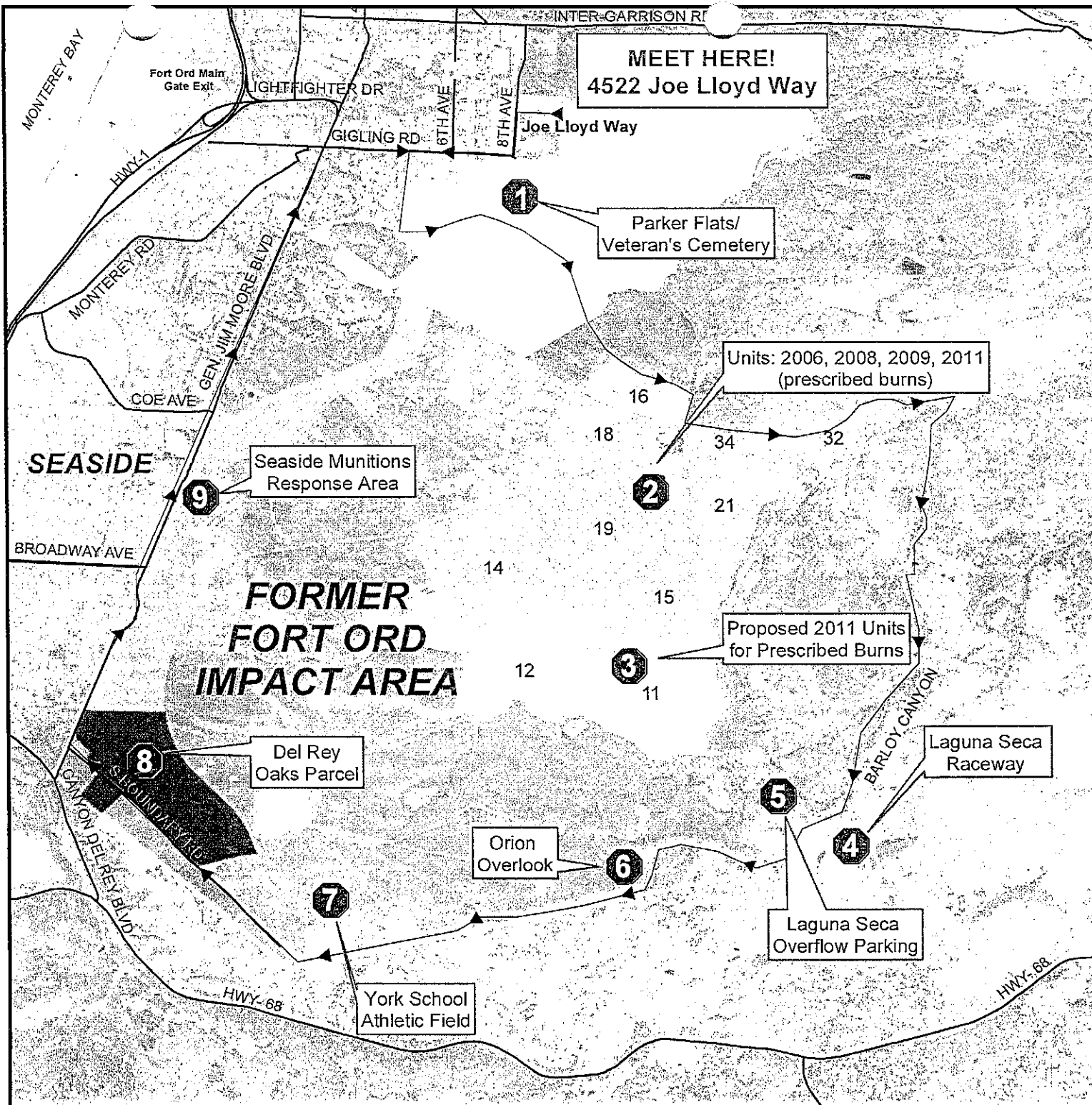
Bus 1 Tour Guides: Melissa Broadston Army, ESCA Representative

Bus 2 Tour Guides: Lyle Shurtleff, Army, ESCA Representative

Gate Openers: Scott and Caleb

Early Booth Set-up Friday, June 24 from 2:30 – 3:30 pm Building 4522

Emphasis: MEC (Army and ESCA) Prescribed Burns and Habitat

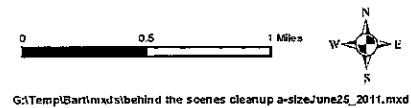


Hosted by Former Fort Ord BRAC:  
 Environmental Cleanup  
 June 25, 2011

## BEHIND THE SCENES CLEANUP

### Tour Guide Map

- MEET HERE: 4522 Joe Lloyd Way
- Stop 1. Parker Flats (includes stop at Veterans' Cemetery)
  - Stop 2. Units: 2008, 2009, 2010, 2011 (prescribed burns)
  - Stop 3. Proposed 2011 Units for Prescribed Burns
  - Stop 4. Laguna Seca Raceway
  - Stop 5. Laguna Seca Overflow Parking
  - Stop 6. Orion Overlook
  - Stop 7. York School (athletic field)
  - Stop 8. Del Rey Oaks Parcel
  - Stop 9. Seaside Munitions Response Area
- Return to 4522 Joe Lloyd Way



5/24/2011  
MREBCT

Fort Ord MMRP Report Status  
24May2011

	Deliverable	Version	Proposed	Issue Date	Comments Due	Note:
			Issue Date	Status		
Track 3 Impact Area MRA	1 MRS-BLM Units 14 and 19 (2009 Units) Technical Memorandum	--	31-Aug-10	Issued	27-Jan-11	Agency concurrence requested by 9/30 BCT discussed 10/13. Cmts rec'd from MIM (9/29). Addendum issued 11/24. Package re-sent 1/13 and 1/20. DTSC e-mail 2/3 indicating no comments. EPA letter 2/8, MIM 1/9. DTSC letter 4/8.
		Final	13-May-11	Issued		
	2 MRS-BLM Units 14 and 19 (2009 Units) Remedial Action Report	Draft	31-Aug-11		4-Oct-11	Within 60 days after MEC remedial actions are complete
		Draft Final	3-Nov-11		7-Dec-11	
		Final	6-Jan-12			
	3 MRS-BLM Units 15,21,32 and 34 (2010 Units) Prescribed Burn 2010 After Action Report	Draft	27-Jan-11	Issued	2-Apr-11	MIM cmts 2/14. EPA 4/7.
		Draft Final	9-May-11	Issued	15-Jun-11	
		Final	15-Jul-11			
	4 MRS-BLM Units 32 and 34 (2010 Units) Technical Memorandum	--	9-May-11	Issued	2-Jun-11	Army letter 5/17 requests concurrence by 6/2
	5 MRS-BLM Units 15 and 21 (2010 Units) Technical Memorandum	--		TBD		Within 45 days of completion of DGM
	6 MRS-BLM Units 15,21,32 and 34 (2010 Units) Remedial Action Report	Draft		TBD		Within 60 days after MEC remedial actions are complete
		Draft Final				
		Final				
	8 MRS-BLM Non-Burn Range 34 Technical Memorandum	--	14-Apr-11	Issued	5-May-11	EPA concurrence 5/4
9 MRS-BLM Non-Burn Fuelbreaks Technical Information Paper (DGM)	--		TBD			
10 MRS-BLM Non-Burn Fuelbreaks Technical Information Paper (RTD)	Draft		TBD			
	Draft Final					
	Final					
11 MRS-BLM Non-Burn Area East of BLMHQ Technical Information Paper	Draft		TBD			
	Draft Final					
	Final					
12 MRS-BLM Units 11 and 12 (2011 Units) Prescribed Burn Plan & Air SAP	Draft	28-Feb-11	Issued	1-Apr-11	MIM cmts 3/21. EPA 4/7. MBUAPCD 4/2.	
	Draft Final	9-May-11	Issued	13-Jun-11		
	Final	13-Jul-11				
13 MRS-BLM Units 4, 5A, 9, 11 and 12 (2011 Units) SSWP MEC Remedial Action & MPS	Draft	28-Feb-11	Issued	1-Apr-11	MIM cmts 3/21. BLM 4/5. EPA 4/6.	
	Draft Final	31-May-11		30-Jun-11		
	Final	30-Jul-11				
14 Impact Area MRA Surface Remediation Annual Monitoring Report (2011)	--		TBD			



Fort Ord MMRP Report Status  
24May2011

	<u>Deliverable</u>	<u>Version</u>	<u>Proposed Issue Date</u>	<u>Issue Date Status</u>	<u>Comments Due</u>	<u>Note:</u>
Remaining R/FS Areas	15 BLM-East/Pre 1940 (N/S Portions) Technical Memorandum - Site Assessment Approach (TM3)	Draft	13-Oct-10	Issued	8-Apr-11	Agency review will continue 30days after reissue of CD (1/12). EPA letter 2/9. RTC sent for review 4/4-ok by EPA 4/28. DTSC letter 4/8.
		Final	4-May-11	Issued		
	16 BLM-North (N/S Portions) Technical Memorandum - Site Assessment Approach (TM4)	Draft	15-Feb-11	Issued	7-Apr-11	Review period extended 2 weeks per MIM request. MIM cmts 3/21, EPA 3/30, DTSC e-mail 4/8. BLM 5/5.
		Final	31-May-11			
Remaining R/FS Areas	17 Track 1 Plug-In Approval Memorandum Parcel E20c.1 & MRS-24A/C	Draft	29-Oct-10	Issued	26-Jan-11	EPA cmts received 1/18. DTSC will not have additional cmts (1/31). RTC sent 2/24, EPA responded 3/15.
		Draft Final (public review)	24-Mar-11	Issued	29-Apr-11	MIM 4/25
		Final	29-May-11			
	18 Track 1 Plug-In Approval Memorandum BLM-HQ	Draft	28-Oct-10	Issued	12-Jan-11	EPA cmts rec'd 1/12. DTSC cmts via phone (1/19). Proposed RTC sent 1/28; OK by DTSC 2/16, EPA responded 3/17.
	Draft Final (public review)	24-Mar-11	Issued	27-Apr-11	MIM 4/25, CAG 4/27	
	Final	27-May-11				
Land Use Controls & Other	19 FOSET4 (DRO) Deed Amendment				TBD	
	20 FOSET4 (DRO) CRUP Variance				TBD	
	21 Track 2 Del Rey Oaks MRA Annual Monitoring Report (2011)	--			TBD	
	22 Site Security Program Annual Report (2011)	--			TBD	

\*\*finalized documents and previous versions are shaded

### Fort Ord Munitions Response BCT Meeting Summary of Action Items (April 26, 2011)

Action Item Description

Responsible Party

Due Date

Comments

Site Security/Incident Reports/Detonations

Field Work/Removal Action Updates/FWVs

C	Check if Hugo Road (between Units 9 and 31) is included in Non-Burn SWP as a fuelbreak to be regularly maintained.	Army	Next meeting <del>(5/22/2011)</del> (4/26/2011)	(Feb2011) BLM plans to maintain this section as fuelbreak road. (Apr2011) BLM comments on 2011 plans indicates Hugo Road is proposed for restoration.
	Check who owns the road around Wolf Hill.	Army	Next meeting <del>(4/26/2011)</del> (5/24/2011)	
C	Send an e-mail to DTSC requesting response on Units 14/19 TM & Addendum.	Army	3/30/2011	

FFA Schedules and MR RI/FS

C	Send and updated Track 1 FFA schedule.	Army	3/31/2011	
C	Provide to City of Seaside an advance notice of Track 1 Approval Memorandum (MRS-24A, MRS-24C and Parcel E20c.1) public review period. Send a copy to City of Seaside.	Army	3/25/2011	
*	Follow up with City of Seaside re: onsite construction support at E20c.1.	DTSC		

\* indicates new action item  
 "R" indicates revised action item  
 "C" and gray cells indicate completed items to be withdrawn from list next month

**Fort Ord Munitions Response BCT Meeting  
Summary of Action Items (April 26, 2011)**

<u>Action Item Description</u>	<u>Responsible Party</u>	<u>Due Date</u>	<u>Comments</u>
<b>Property Transfer</b>			
FOSET5 2/4/5 CERCLA warranty and deed amendment: the Army will provide EPA and DTSC copies when final.	Army		(May2010) The Army will forward deed amendments for FOSET5 Parker Flats properties. (June2010) Deed Amendments for FOSET5 Parker Flats properties have been provided to the agencies by FORA. (Aug 2010) The Army will forward FOSET2 deed amendment for MST parcels.
R Send revised FOST11 to EPA and DTSC <del>Notify EPA of any changes to FOST11.</del>	Army		(Apr2011) Set aside EPA/DTSC concurrence letters on FOST11.

<b>Ongoing Actions/Other</b>			
	Quarterly Security Program Update	Army	Quarterly
	Monthly 3-month deliverables schedule review at BCT meetings	All	Monthly
	Update EPA website re: new TAG recipient.	EPA	
	Arrange for agency participation in risk communication training during Summer 2011.	Army	8/31/2011
C	check hotel cancellation policy for the April BCT offsite meeting.	Army	AS soon as possible
C	Revise community survey question re: ESCA in coordination with the agencies and FORA.	Army	Next meeting (5/22/2011)
*	Develop a scheme for making it easy to find referenced documents in the future.	Army	Next meeting (5/24/2011)
C	Finalize MR BCT minutes from Feb 25.	Army	Monthly
C	Finalize MR BCT minutes from Mar 22.	Army	Monthly
*	Finalize MR BCT minutes from Apr 26.	Army	Monthly

\* indicates new action item

"R" indicates revised action item

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

## 05-24-11 Update - Fort Ord Real Estate Actions

### FOST 11:

1. July 2010 – Draft Final FOST issued for 30-day public comment period. No comments received.
2. September 2010 – concurrence received from USEPA (2 Sep) and DTSC (13 Sep). FOST staffed for Army signature. Draft deed submitted to USACE for review.
3. October 2010 – ODASA (JC King) reviewing FOST before DASA (ESOH) signature.
4. December 2010 – ODASA sent FOST back to BRAC-D without signature. Army ELD informed and referred issue to OGC. ODASA revised FOST and submitted to BRAC-D.
5. January 2011 – ELD and OGC met with ODASA to revised FOST.
6. February 2011 – USATCES approved FOST, submitted to DDESB with recommendation for approval. DDESB approved 23 Feb. ELD submitted revised FOST to ODASA for review 28 Feb.
7. March 2011 – In meeting with ODASA, BRAC-D, OGC, ELD and Fort Ord BRAC 30 Mar, agreed to delete descriptions of MEC hazard scores and ECP Categories.
8. April 2011 – ELD revised FOST and issued to OGC, BRAC and ODASA for review on 15 Apr. Fort Ord BRAC reviewed and commented and sent back 15 Apr. ELD revised and reissued.
9. May 2011 – submitted revised FOST to USEPA and DTSC 5 May. On 19 May USEPA stated it cannot accept majority of changes.

### FOST 12:

1. Parcel E20c.1 (hand grenade range) requires Track 1 Plug-in Approval Memorandum (comments on draft final due 29 Apr, comments received from Marina in Motion).
2. Parcel E29b.3.1 (Yadon's piperia) requires completion of biological opinion by USFWS.<sup>1</sup>
3. Parcel S2.1.2 (OU1) requires determination of OPS for OUCTP in the Lower 180-Foot Aquifer.<sup>2</sup>

### FOSET 2 deed amendments:

1. October 2008 – Five deed amendments issued to FOSET 2 property recipients for signature: Monterey-Salinas Transit (MST), City of Marina, City of Seaside, University of California (UC), and California State University Monterey Bay (CSUMB). Sixth deed amendment for Parcel L37 (City of Seaside) not drafted.
2. June 2010 – MST and CSUMB signed deed amendments.
3. July 2010 – MST deed amendment countersigned by Department of Transportation and recorded. Remaining four deed amendments signed by recipients and submitted to USACE.
4. December 2010 – Army executed deed amendments and returned to USACE SPK.
5. January 2011 – USACE SPK forwarded executed deed amendments to recipients for recordation.
6. March 2011 – five remaining deed amendments recorded.<sup>3</sup>

### FOSET 4 deed amendment:

1. November 2008 – ROD for Del Rey Oaks MRA complete and signed.
2. June 2010 – Per USEPA, CERCLA Warranty cannot be issued until variance to CRUP is complete.
3. July 2010 – Del Rey Oaks submitted letter to DTSC requesting variance to the CRUP. Draft Final Remedial Design/Remedial Action Work Plan issued (28 Jul).
4. August 2010 – USEPA determined all remedial actions implemented and completed (20 Aug).
5. September 2010 – Del Rey Oaks retained surveyor. Draft deed amendment submitted to USACE.
6. November 2010 – surveyor completed legal description.
7. March 2011 – Del Rey Oaks forwarded legal description to DTSC, which started drafting CRUP variance.
8. April 2011 – DTSC revised CRUP variance and submitted in draft for internal review. Determined variance process is complex and may do a CRUP amendment instead.

<sup>1</sup> Biological opinion expected in June.

<sup>2</sup> Army proposed to USEPA OPS in April BCT; USEPA determining whether OPS can be given for only a portion of the remedy described in the ROD.

<sup>3</sup> Army has copies of all recorded deed amendments except CSUMB, though it was apparently recorded on March 23.