

MMRP Update

DATE August 26, 2014

FORT ORD MILITARY MUNITIONS RESPONSE PROGRAM (MMRP) FORMERLY ORDNANCE & EXPLOSIVES (OE)

Lyle Shurtleff, Fieldwork Manager Military Munitions Response Program

Phone: 831-242-7919 email: victor.l.shurtleff.civ@mail.mil

MMRP

Mission

Effectively reducing the threat to public safety by identifying and securing dangerous Munitions and Explosives of Concern (MEC) areas. Safely removing military munitions in those areas to a level suitable for reuse. Planning and operating in coordination with federal, state and regional regulatory agencies and with public review.

Objectives

• Locate potential dangerous military munitions, assess the danger, and secure those areas, Munitions Response Sites (MRS), as appropriate.

• Develop and implement appropriate response actions habitat assessment, vegetation removal, geophysical investigation, MEC removal, quality control, quality assurance, documentation, and monitoring.

• Provide public and technical MEC safety education to the public. Inform the community so people area aware of the potential danger.

Track 3 MEC Removal Process

Remedial Investigation/Feasibility Study Decision Document (Record of Decision) Site Specific Work Plan (Burn Plan)

Quality Control/ Assurance

Habitat Assessment Vegetation Removal Survey (Grids) Fieldwork **MEC Removals** Digital Geophysical Mapping (DGM) Additional Actions (Limited Subsurface Removal)

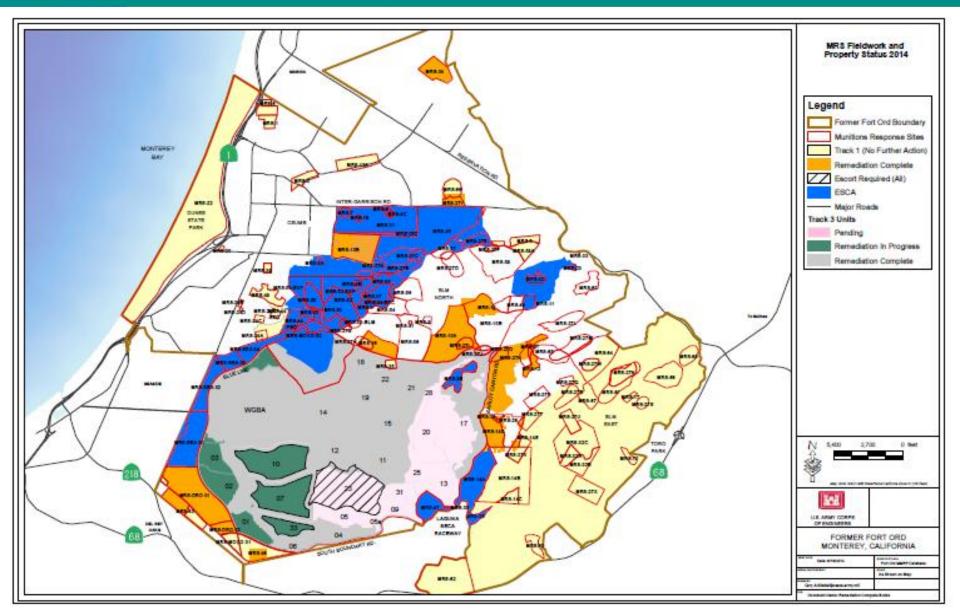
> (Prescribed Burn After Action Report) **Technical Memorandum Remedial Action Report**

Documents for Review

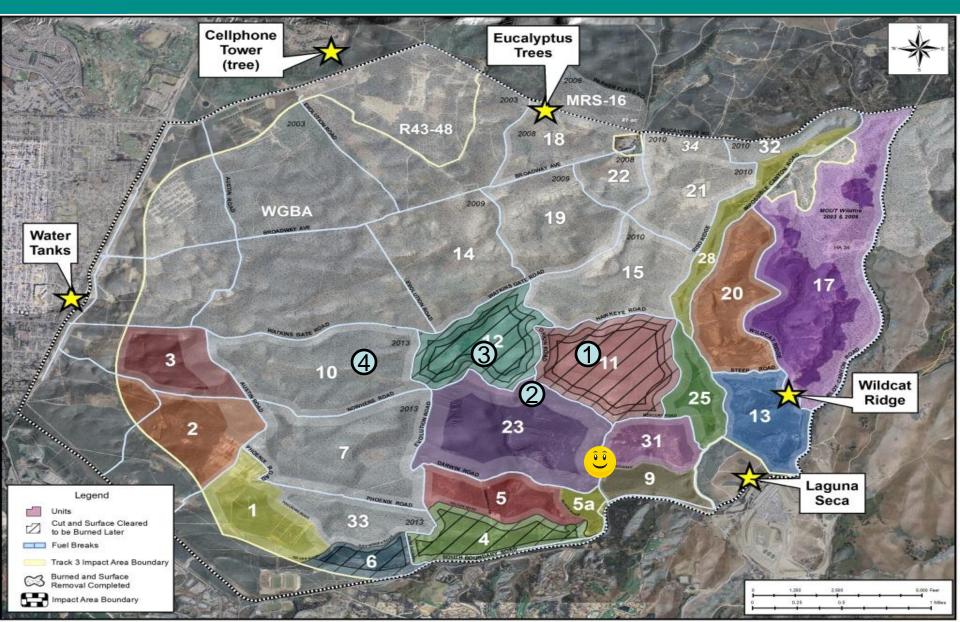
Documents

for Review

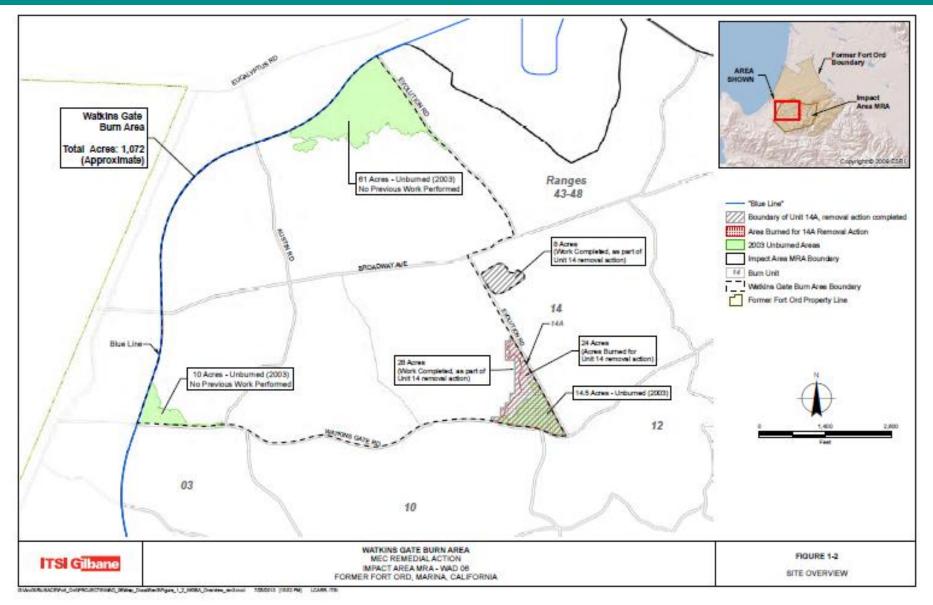
Munitions Response Program Status



Impact Area From Orion Overlook The Track 3 MEC Cleanup



Watkins Gate Burn Area (unburned)



Quality Control (QC) (field)



Analog Detection and Surface MEC Removal (example)



Detonation Units 7/10 UXO



Digital Mapping (example)

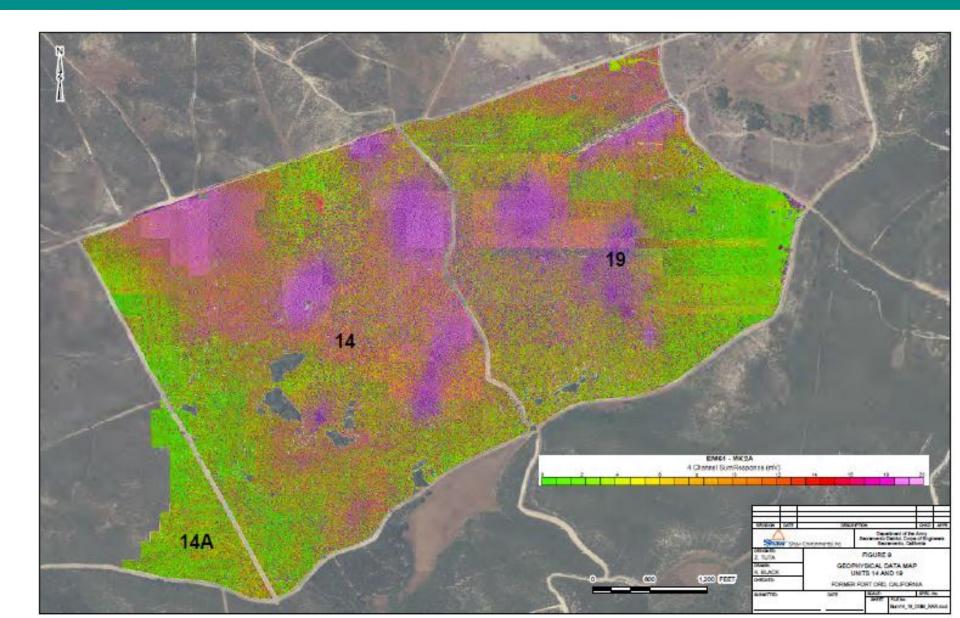


Towed Digital Geophysical Mapping (DGM)

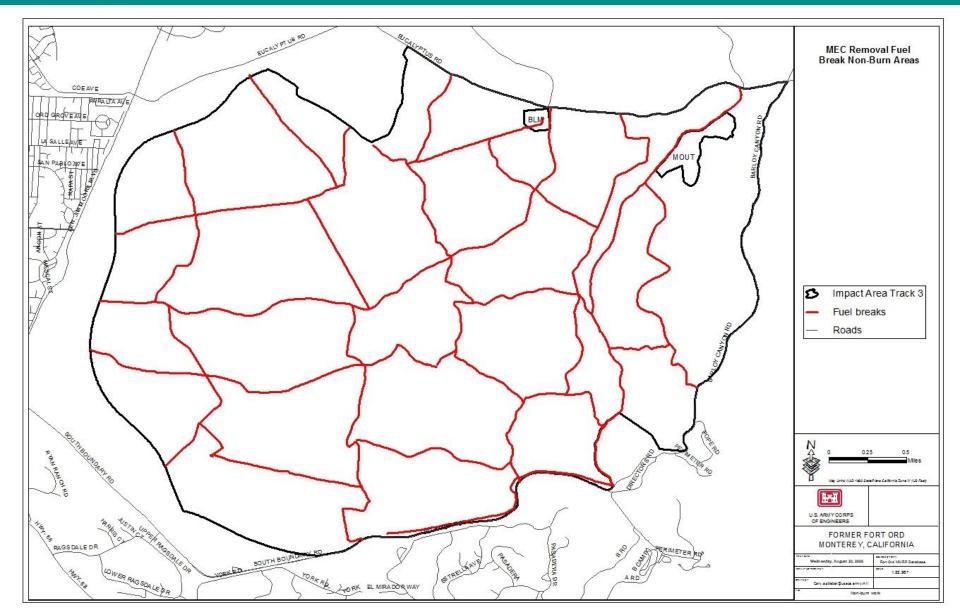


Manual Digital Geophysical Mapping (DGM)

DGM Map Example

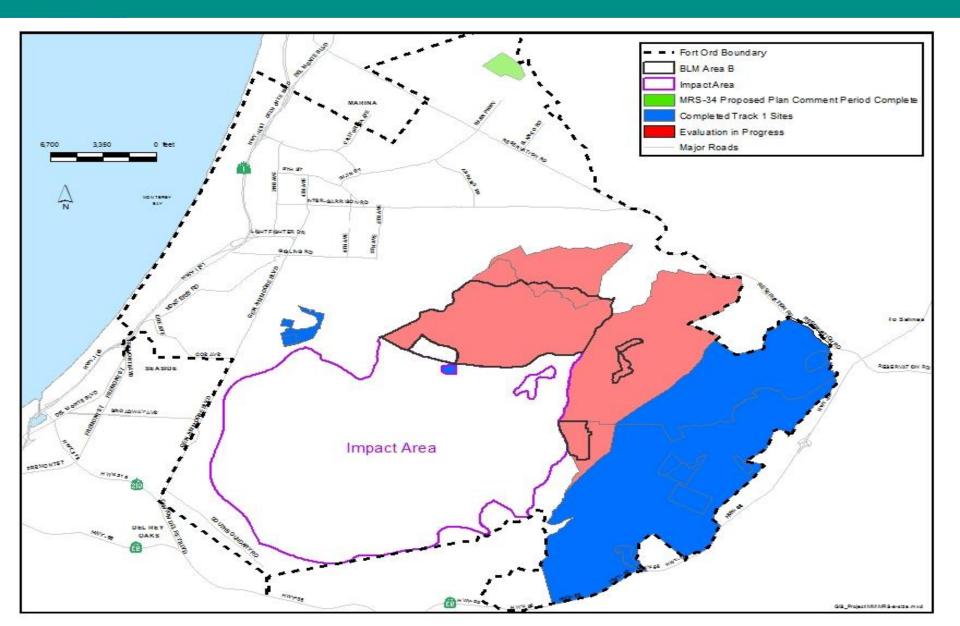


MEC Removal - Non-Burn Areas Fuel Breaks



12

Remaining Sites Remedial Investigation/ Feasibility Study (RI/FS)



Documents For Recent and Planned MMRP Work

 MRS-BLM Units 6/7/10 Prescribed Burn Plan Units 7/10 Site Specific Work Plan Prescribed Burn After Action Report Technical Memorandum Units 6 Units 7/10 	<u>Version</u> Final Final Draft Final Final Draft	Date of Publication April 2013 (updated) July 2012 May 2014 May 2014 TBD
Remedial Action Report	Draft	TBD
 MRS-BLM Watkins Gate Burn Area (unburned) Site Specific Work Plan Technical Memorandum Remedial Action Report 	Final Draft Draft	January 2014 TBD TBD
 MRS-BLM Units 1/2/3 Site Specific Work Plan Technical Memorandum Remedial Action Report 	Final Draft Draft	TBD TBD
 BLM Area B and Site-16 Remedial Investigation/Feasibility Study (TK2) Proposed Plan (TK2) 	Final	August 2014 January 2015

WEBSITE (fortordcleanup.com) Documents



15

ELCOME	NEWS	ABOUT	COMMUNITY	CLEANUP PROGRAMS	DOCUMENTS	PROPERTY C	CONTACT US	
Reports Under Review This page lists some of the currently released former Ford Ord environmental cleanup documents that are of particular interest to the public. These documents can be reviewed online, downloaded to your computer for review, or viewed in hard copy at the Administrative Record. See the Reference Documents page for documents that were released less recently, but that are still frequently requested by the public – or use the Administrative Record search tool to view other cleanup documents.					Community Info Outreach Events Community Involvement Factsheets Meeting Minutes Public Survey	Documents About the Administrative Record Document Search Visit the Administrative Record Reference Documents Document Schedules		
What's New Draft Quality Assurance Project Plan, Superfund Response Actions, Former Fort Ord, California, Volume II, Operable Unit 2 Landfills Comments Due: 8/18/2014 Draft Final Construction QC and QA Report, OU2 Landfills, Area E Phase 1, Former Fort Ord, California Comments Due: 9/5/2014 Draft Remedial Investigation / Feasibility Study Addendum at Sites 2 and 12, Former Fort Ord, California Comments Due: 10/8/2014						Links Document Sc Reports Under Recent Posts Now Available: 2013 Fort Ord Annual Report 2014 BLM Area B Remedial Investigation / Feasibil Report June 2, 2014 Invitation: Community Involvement Workshop		

Discover the Coast @ Fort Ord April 28, 2014

Guided Bus Tours on August 23, 2014 June 2, 2014

Free Tours by Appointment March 12, 2014

WEBSITE (fortordcleanup.com) Munitions

Fort Ord Cleanup the environmental cleanup of the Former Fort Ord								
WELCOME	NEWS	ABOUT	COMMUNITY	CLEANUP PROGRAMS	DOCUMENTS	PROPERTY	CONTACT US	
Munitio	ons					Community Info	Documents	
Changes to terminology for Army's Ordnance Cleanup Program					Outreach Events	About the Adminis Record Document Search		
					Community Involveme			
In 2003, the Army began implementing new terminology nationwide to describe its ordnance cleanup program. Numerous written materials relating to the ordnance cleanup program at the former Fort Ord, such as Administrative Record documents, fact sheets, meeting minutes, and pages within this website that were created prior to 2004 include the old terminology. The new terminology is being incorporated into newly written materials as they become available.				Factsheets	Visit the Administra Record			
				Meeting Minutes	Reference Docum			
				Public Survey	Document Schedu			
Introduo	ction					Links	Reports Under Re	
				ntry Division in 1994, Fort Ord w had been used for ordnance trai	Constant and the set of the	Recent Posts		
The Department of Defense Explosives Safety Board develops explosives safety standards for the Department of Defense. These standards (DoD 6055.09 – M) include safety standards for real property known or suspected to					Now Available: 2013 Fort Ord Annual Report July 2014			
contain munitions and explosives of concern (MEC). This standard is incorporated into the Army Regulation 385- 10 (The Army Safety Program) and further explained in Department of the Army Pamphlet 385-64 (Ammunition and Explosives Safety Standards).			BLM Area B Remedial Investigation / Feasibility St Report June 2, 2014					
	-						Involvement Workshop/Free	
In 1993 an archival investigation was conducted to locate areas where military munitions may have been used. Additional archive searches, follow-on interviews and visual inspections conducted since 1993 indicate that approximately 12,000 acres are known or suspected to contain MEC. Twenty-nine munitions response sites					Guided Bus Tours on August 23, 2014 June 2, 201 Discover the Coast @ Fort Ord April 28, 2014			
(MRSs) are in	dentified in the	Phase 1 Enginee	ering Evaluation/Cost A	Analysis (FF/CA) The Phase 2 F	F/CA			

In 1993 an archival investigation was conducted to locate areas where military munitions may have been used. Additional archive searches, follow-on interviews and visual inspections conducted since 1993 indicate that approximately 12,000 acres are known or suspected to contain MEC. Twenty-nine munitions response sites (MRSs) are identified in the Phase 1 Engineering Evaluation/Cost Analysis (EE/CA). The Phase 2 EE/CA established a process to evaluate the remaining sites. The areas range in size from less than one acre to more than 1,000 acres, although most of the areas are less than 200 acres. All identified MRSs have been investigated,

and if warranted, MEC removal actions were conducted to minimize the explosive safety risk to the public. Types

16

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Search This Website

Free Tours by Appointment March 12, 2014

Points of Contact

U.S. Department of the Army Base Realignment and Closure (BRAC)

Lyle Shurtleff Munitions Response Program Manager Phone: (831) 242-7919 E-mail: Victor.L.Shurtleff.civ@mail.mil

U. S. Environmental Protection Agency

Lewis Mitani Remedial Project Manager for soil remediation and the Army's munitions response program Phone: (415) 972-3032 E-mail: Mitani.Lewis@epa.gov

California Environmental Protection Agency Department of Toxic Substances Control

Ed Walker Remedial Project Manager for military munitions Phone: (916) 255-4988 E-mail: Ed.Walker@dtsc.ca.gov