

**FY2015**

**FORT ORD**

**Base Realignment & Closure  
Installation Action Plan**

Printed 15 September 2015

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## Statement of Purpose

The purpose of the Base Realignment and Closure (BRAC) Installation Action Plan (BIAP) is to outline the total multiyear cleanup program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern (AOC), and proposes a comprehensive, installation-wide approach, along with the costs and schedules associated with conducting investigations and taking necessary remedial actions (RA).

In an effort to coordinate planning information between the BRAC environmental coordinator (BEC), the regulatory agencies, executing agencies, the BRAC Division and the public, a BIAP was completed. The BIAP is used to track requirements, schedules and tentative budgets for all Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

The following persons contributed to the formulation and completion of this Fort Ord BIAP:

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Teresa Rodgers, U.S. Army Corps of Engineers

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# Installation Information

## Installation Program Summaries

### BRAC-IRP

<b>Total Number of Sites:</b>	46
<b>Number of sites at RIP:</b>	4
<b>Number of sites at RC:</b>	42
<b>Number of sites at RC with LTM:</b>	2
<b>Primary Contaminants of Concern:</b>	Explosives, Metals, Semi-volatiles (SVOC), Volatiles (VOC)
<b>Affected Media of Concern:</b>	Groundwater, Other (Soil Gas), Soil

### BRAC-MMRP

<b>Total Number of Sites:</b>	22
<b>Number of sites at RIP:</b>	0
<b>Number of sites at RC:</b>	8
<b>Number of sites at RC with LTM:</b>	7
<b>Primary Contaminants of Concern:</b>	Munitions and explosives of concern (MEC)
<b>Affected Media of Concern:</b>	Soil

## Installation Locale

<b>BRAC Round:</b>	BRAC II
<b>Installation Size (Acreage):</b>	27,827.00
<b>Retained by Component (Acreage):</b>	812.00
<b>BRAC Acreage:</b>	27,015.00
<b>Acres being transferred to another service:</b>	0.00
<b>Acres being transferred to other federal agencies:</b>	0.00
<b>Acres being transferred to non-federal agencies:</b>	12,157.00

**City:** Monterey

**County:** Monterey

**State:** California

### Other Locale Information

Fort Ord is located on Monterey Bay in Monterey County, California, approximately 80 miles south of San Francisco. The base consists of about 28,000 acres adjacent to the cities of Seaside, Sand City, Monterey, Del Rey Oaks, and Marina. Laguna Seca Recreation Area and Toro Regional Park border Fort Ord to the south and southeast, respectively. Land use east of Fort Ord is primarily agricultural.

Note:

- Ord Military Community (retained by component) is 876 acres and the total includes transferred and reacquired parcels.
- The former Fort Ord BRAC acreage is 26,951.
- The number of acres that have been and are scheduled to be transferred to the Bureau of Land Management is 14,651.

## List of Off-Post Properties

N/A

# Installation Information

## Environmental Condition of Property

BRAC Round: BRAC II

	CERCLA	MMRP
Acres in Category 1:	2,493.00	0.00
Acres in Category 2:	0.00	0.00
Acres in Category 3:	414.00	0.00
Acres in Category 4:	14,746.00	5,248.00
Acres in Category 5:	9,362.00	5,847.00
Acres in Category 6:	0.00	0.00
Acres in Category 7:	0.00	0.00

## Lead Organization

Base Realignment and Closure Division

## Lead Executing Agencies for Installation

US Army Corps of Engineers (USACE), Sacramento District

## Regulator Participation

<b>Federal</b>	U.S. Fish and Wildlife Service US Environmental Protection Agency (USEPA) Region 9 Federal Facilities Branch
<b>State</b>	California Department of Fish and Wildlife California EPA (Department of Toxic Substances Control [DTSC] and California Regional Water Quality Control Board [CRWQCB], Central Coast Region)

**BRAC Closure Round:** BRAC II - Base Realignment And Closure 1991

## Status of Redevelopment Initiative (Reuse Plan)

**Redevelopment Plan Date:** 199706

**Organization Name:** Fort Ord Reuse Authority(FORA)

## Existing Legal Agreements/Interim Leases

Parcel Name	Actual Lease/License Date	Length of Lease/License	Licensee
N/A			

## Significant Base Tenants

**Projected Date of Final Transfer of Property:** 202209

## National Priorities List (NPL) Status

A score of 42 was recorded on 01-FEB-90.

**Final RA(C) Completion Date:** 202409

**Date for NPL Deletion:** TBD

## Installation Restoration Advisory Board (RAB)/Technical Review Committee (TRC)/Technical Assistance for Public Participation (TAPP) Status

RAB established 1994

# Cleanup Program Summary

## Previous Year Planned versus Actual Progress

### Installation Program Cleanup Progress

#### BRAC-IRP

**Prior Year Progress:** Groundwater treatment system operation and groundwater evaluation, monitoring, and optimization efforts continued. Outreach, data management, property transfer, & landfill O&M continued. Any additional Site 39 soil cleanup areas will be characterized following MEC clearance. Issued Sites 2/12 Final RI/FS Addendum & ESD in progress. Initiated OU2 groundwater treatment plant relocation. Evaluated OU1 groundwater site for closure, now in attainment monitoring.

**Future Plan of Action:** Continue groundwater treatment and monitoring in 2 areas. OU1 in standby and will propose closure based on FY16 attainment monitoring results. Operate SVE system at 2/12. Evaluate OUCTP A-Aquifer remedy. Outreach, landfill O&M database management, and property transfer will continue. Continue habitat restoration and monitoring at Site 39 and portions of Fort Ord National Monument.

#### BRAC-MMRP

**Prior Year Progress:** MEC remediation is completed in Units 1, 2, 3, 7, 10, & 33. No Further Action (NFA) ROD for MRS-34 was signed. NFA decision document for Area C is in progress. Proposed Plan public comment period for BLM Area B & MRS-16 was completed and ROD is now in progress. Oversight of the Environmental Services Cooperative Agreement (ESCA) project continues. LUC RODs for ESCA Groups 2 and 3 were signed. Initiated planning for FY16 prescribed burns.

**Future Plan of Action:** MEC remediation will continue in Units 5a, 9, 23, and 28 within the Impact Area. Two prescribed burns are planned in support of MEC program. Complete Track 2 ROD for BLM Area B and MRS-16. Remedial action implementation will follow. Oversight and support for ESCA will continue.

### Installation Exit Strategy

Property transfer will be completed after completion of all necessary remediation. Portions of the installation were transferred to the FORA under early transfer authority and cleanup of these areas will be managed by FORA under the ESCA process. Exit strategies for specific sites are discussed within the narrative for each site.

# Land Use Control (LUC) Summary

**LUC title:** Deeds

**Site(s):** FTO-044

**ROD/DD title:** Carbon Tetrachloride (OU-CT)

**Location of LUC**

In the vicinity of the OUCTP.

**Land Use Restriction:** Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes

**Types of Engineering Controls:** None

**Types of Institutional Controls:** Deed Notices, Deed Restrictions

**Date in Place:** 200712

**Modification Date:** N/A

**Date Terminated:** N/A

**Inspecting Organization:** County

**Record of LUC:** FOSET, FOST

**Documentation Date:** N/A

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Transferee Reporting

**Contaminants:** VOC

**Additional Information**

N/A

**LUC title:** Excavation and Site Reuse

**Site(s):** FTO-015-R-01

**ROD/DD title:** MMRP TRACK 2 Del Rey Oaks

**Location of LUC**

Del Rey Oaks, CA

**Land Use Restriction:** Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** None

**Types of Institutional Controls:** Construction Permit, Deed Notices, Dig Permits, Local Use ordinances, Restrictions on land use, Restrictive covenants

**Date in Place:** 200512

**Modification Date:** N/A

**Date Terminated:** N/A

**Inspecting Organization:** City

**Record of LUC:** FOSET

**Documentation Date:** 200512

**LUC Enforcement:** Transferee Reporting

**Contaminants:** Unexploded Ordnance(UXO)

**Additional Information**

N/A



# Land Use Control (LUC) Summary

**LUC title:** Excavation and Site Use

**Site(s):** FTO-007-R-01

**ROD/DD title:** ESCA Group 2

**Location of LUC**

Group 2 ESCA Areas

**Land Use Restriction:** Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Restrict land use - No daycare/hospital/school use

**Types of Engineering Controls:** None

**Types of Institutional Controls:** Construction Permit, Deed Notices, Deed Restrictions, Dig Permits, Education programs, Local Use ordinances, Restrictions on land use, Restrictive covenants

**Date in Place:** 201501

**Modification Date:** N/A

**Date Terminated:** N/A

**Inspecting Organization:** State

**Record of LUC:** FOSET

**Documentation Date:** N/A

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Transferee Reporting

**Contaminants:** Unexploded Ordnance(UXO)

**Additional Information**

N/A

**LUC title:** Excavation and Site Use

**Site(s):** FTO-015-R-01, FTO-019-R-01, FTO-022

**ROD/DD title:** ESCA Group 3

**Location of LUC**

Group 3 ESCA Areas

**Land Use Restriction:** Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** None

**Types of Institutional Controls:** Construction Permit, Deed Notices, Deed Restrictions, Dig Permits, Education programs, Local Use ordinances, Restrictions on land use, Restrictive covenants

**Date in Place:** 201411

**Modification Date:** N/A

**Date Terminated:** N/A

**Inspecting Organization:** State

**Record of LUC:** FOSET

**Documentation Date:** N/A

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Transferee Reporting

**Contaminants:** Unexploded Ordnance(UXO)

**Additional Information**

N/A

**LUC title:** Excavation and Site Use

# Land Use Control (LUC) Summary

**Site(s):** FTO-020-R-01

**ROD/DD title:** MMRP TRACK 2 Parker Flats

**Location of LUC**

Parker Flats Area

**Land Use Restriction:** Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** None

**Types of Institutional Controls:** Construction Permit, Deed Notices, Deed Restrictions, Dig Permits, Education programs, Local Use ordinances, Restrictions on land use, Restrictive covenants

**Date in Place:** 200809

**Modification Date:** N/A

**Date Terminated:** N/A

**Inspecting Organization:** State

**Record of LUC:** FOSET

**Documentation Date:** N/A

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Transferee Reporting

**Contaminants:** Unexploded Ordnance(UXO)

**Additional Information**

N/A

**LUC title:** Excavation and Site Use

**Site(s):** FTO-014-R-01

**ROD/DD title:** MMRP TRACK 3 Impact Area

**Location of LUC**

Impact Area

**Land Use Restriction:** Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Fences, Signs

**Types of Institutional Controls:** Education programs, Restrictions on land use

**Date in Place:** 200809

**Modification Date:** N/A

**Date Terminated:** N/A

**Inspecting Organization:** Installation

**Record of LUC:** ECOP (Fed to Fed)

**Documentation Date:** N/A

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** Unexploded Ordnance(UXO)

**Additional Information**

N/A

# **FORT ORD**

## **Base Realignment and Closure Installation Restoration Program**

# BRAC-IRP Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) BRAC Sites/Closeout Sites Count:

46/40

**Sites planned for RIP for FY2016**

Site ID	Site Name	Month
N/A		

**Sites planned for RC for FY2016**

Site ID	Site Name	Month
N/A		

**Installation Site Types with Future and/or Underway Phases\***

- 1 Contaminated Ground Water (FTO-044)
- 1 Contaminated Sediments (FTO-003)
- 1 Fire/Crash Training Area (FTO-041)
- 1 Landfill (FTO-053)
- 1 Small Arms Range (FTO-039)
- 1 Spill Site Area (FTO-012)

**Most Widespread Contaminants of Concern\***

Explosives, Metals, Semi-volatiles (SVOC), Volatiles (VOC)

**Media of Concern\***

Groundwater, Other (Soil Gas), Soil

**Completed Remedial Actions (Interim Remedial Actions / Final Remedial Actions (IRA/FRA))\***

Site ID	Site Name	Action	Remedy	FY	Cost
FTO-041	SITE 41 FAAF FIRE DRILL AREA (OU1)	FRA	GROUND WATER TREATMENT	1988	TBD
FTO-006	SITE 6-CAR DUMP (SITE 39)	FRA	WASTE REMOVAL - SOILS	1996	TBD
FTO-008	SITE 8 MC RANGES 49 (SITE 39)	FRA	WASTE REMOVAL - SOILS	1996	TBD
FTO-024	SITE 24 OLD DEH YARD	FRA	WASTE REMOVAL - SOILS	1996	TBD
FTO-039B	SITE 39B INTERGARRISON	FRA	WASTE REMOVAL - SOILS	1996	TBD
FTO-007	SITE 7 RANGES 40/41 FIRE DEMO (SITE 39)	FRA	WASTE REMOVAL - SOILS	1997	TBD
FTO-003	SITE 3-BEACH TRAINFIRE RANGES	FRA	WASTE REMOVAL - SOILS	1998	TBD
FTO-009	SITE 9 FFE TRAINING AREA (SITE 39)	FRA	WASTE REMOVAL - SOILS	1998	TBD
FTO-016	SITE 16 DOL MAINTENANCE/PETE'S POND	FRA	WASTE REMOVAL - SOILS	1998	TBD
FTO-017	SITE 17 1400 BLOCK MOTOR POOL	FRA	WASTE REMOVAL - SOILS	1998	TBD
FTO-031	SITE 31 FORMER DUMP SITE, EAST GARRISON	FRA	WASTE REMOVAL - SOILS	1998	TBD
FTO-034	SITE 34 FAAF FUELING FACILITY	FRA	WASTE REMOVAL - SOILS	1998	TBD
FTO-039A	SITE 39A EAST GARRISON SKEET RANGES	FRA	WASTE REMOVAL - SOILS	1998	TBD
FTO-003	SITE 3-BEACH TRAINFIRE RANGES	FRA	WASTE REMOVAL - SOILS	1999	TBD
FTO-012	SITE 12 DOL AUTO MAINT. AREA/CANNIBAL.YD	FRA	GROUND WATER TREATMENT	2000	TBD
FTO-053	LANDFILL (OU2)	FRA	CAPPING	2003	TBD
FTO-053	LANDFILL (OU2)	FRA	GROUND WATER TREATMENT	2003	TBD

# BRAC-IRP Summary

**Completed Remedial Actions (Interim Remedial Actions / Final Remedial Actions (IRA/FRA))\***

Site ID	Site Name	Action	Remedy	FY	Cost
FTO-005	SITE 5-RANGE 36A (SITE 39)	IRA	WASTE REMOVAL - SOILS	2004	TBD
FTO-044	RESERVATION ROAD SITE	IRA	SOIL VAPOR EXTRACTION	2004	TBD
FTO-044	RESERVATION ROAD SITE	IRA	BIOREMEDIATION - IN SITU GROUNDWATER	2004	TBD
FTO-005	SITE 5-RANGE 36A (SITE 39)	FRA	UXO CLEARANCE	2007	TBD
FTO-044	RESERVATION ROAD SITE	FRA	BIOREMEDIATION - IN SITU GROUNDWATER	2012	TBD

**Duration of BRAC-IRP**

Date of BRAC-IRP Inception:	198006
Date for Remedy-In-Place (RIP)/Response Complete (RC):	202409/203109
Date of BRAC-IRP completion including Long Term Management (LTM):	206109

\*Note: This does not include sites closed prior to installation being identified as BRAC.

# BRAC-IRP Contamination Assessment

## **Contamination Assessment Overview**

Fort Ord was identified by the U.S. Environmental Protection Agency as a federal Superfund site in 1990 on the basis of groundwater contamination discovered on the base and listed on the National Priorities List. All 28,000 acres of the facility were listed, fence-line to fence-line. Initial investigations pinpointed 39 sites of concern in addition to two operable units (the Fritzsche Army Airfield Fire Drill Area and the Fort Ord Landfill), which had been investigated during the 1980s.

The IRP sites of concern included motor pools, vehicle maintenance areas, dry cleaners, sewage treatment plants, firing ranges, hazardous waste storage areas, and unregulated disposal areas. An additional two sites were added during the investigation process: one, a defueling area located at Fritzsche Army Airfield; the other, a fire drill burn pit in East Garrison. In all, 43 sites were investigated and most have either been cleaned up or, in the instance of groundwater contamination, have an effective cleanup (groundwater treatment) in place.

Since 1990, much of the property has been transferred to the identified reusers. Redevelopment projects have been constructed or are underway in several locations across the former Fort Ord. The parties to the Federal Facility Agreement have signed twenty-one Decision Documents addressing groundwater contamination, the landfill closure, soil contamination, and military munitions as well as identifying many areas for no further action. Considerable progress has been made toward completing identified cleanup. The current Army fieldwork includes munitions cleanup, contaminated soil investigation, operating three groundwater treatment systems, habitat management, and maintaining the landfill cover system. The groundwater treatment systems and landfill are in the operation and maintenance stage.

No-Action Sites are those that require no further action, either because no release of contaminants was identified at the site or because the activity is specifically excluded under Superfund, or where all investigation and closure activities have been completed in accordance with the permitting requirements of the Resource Conservation and Recovery Act. For each site proposed as a no action candidate, a brief memorandum (recommending the site as a no action site candidate) was circulated to the community. This process has been completed for all identified no action sites.

Interim Action Sites are those that have been cleaned up by the excavation of soil contaminated with petroleum, pesticides and / or metals. For each site proposed for an interim action, a brief memorandum outlining individual site characteristics was circulated to the community for review. Excavations have been completed for all identified interim action sites.

Remedial Investigation / Feasibility Study Sites are those with more complex problems that require developing a risk assessment which addresses exposures to chemicals that might occur given the identified reuse of the area, and assessing applicable or relevant and appropriate requirements, and, possibly, long term remediation. Cleanup at most of these sites is complete, but additional treatment required for Site 2/12 based on a vapor intrusion investigations. At Site 39, additional evaluation may be required for areas that are pending munitions cleanup. The cleanup at Site 3 is complete, but ecological monitoring is on-going.

Operable Units are those sites that have undergone considerable investigation and have cleanup / treatment units installed. Three operable units have been designated. These are Operable Unit 1 (Fritzsche Army Airfield Fire Drill Burn Pit), Operable Unit 2 (Fort Ord landfill), and Operable Unit Carbon Tetrachloride Plume (OUCTP). There are three operational groundwater treatment systems: OU2, OUCTP, and Sites 2/12. OUCTP is a groundwater contamination site with in-situ treatment as part of the treatment system. The OU1 treatment system is in standby during attainment monitoring.

Regulatory oversight/interest by federal and state agencies remains elevated. Public interest is intermittent and appears to be limited to a small group of citizens concerned about the groundwater and munitions cleanup actions and development. Comments and questions are addressed as the public provides comments on documents under review and during the Army's Community Involvement Workshops.

**FORT ORD**  
**Installation Restoration Program**  
**Site Descriptions**

Site ID: FTO-003

## Site Name: SITE 3-BEACH TRAINFIRE RANGES

### STATUS

Parcel: NONE  
Regulatory Driver: CERCLA  
RRSE: HIGH  
Program: BRAC-IRP  
Contaminants of Concern: Metals  
Media of Concern: Soil  
BRAC Round: BRAC II

Phases	Start	End
PA.....	199006.....	199012
SI.....	199006.....	199012
RI/FS.....	199006.....	199510
RD.....	199603.....	199704
RA(C).....	199702.....	199812
LTM.....	200009.....	201709

RIP Date: N/A

RC Date: 200009

### SITE DESCRIPTION

The former Beach Trainfire Ranges (FTO-003) were identified as Site 3 in the Final Basewide RI/FS. The site extends approximately 3.2 miles along the coastline of Monterey Bay at the western boundary of Fort Ord and was used for small arms training from the 1940s until base closure. Spent bullets accumulated on the sand dunes that formed the "backstops" for targets. The selected remedy consisted of contaminated soil excavation and was documented in the Interim ROD, Site 3, Beach Trainfire Ranges, Fort Ord, California. After cleanup was completed, post-remediation sampling determined that the remaining site-wide average lead concentration in soil was 161 milligrams per kilogram (mg/kg). Subsequent ecological risk assessments (ERAs) and evaluations of risks to plants or animals after the lead-impacted soil cleanup have been completed at Site 3 (MRS-22) and include a Post-Remediation ERA.

A final ROD for the Site 3 Beach Trainfire Ranges, signed in April 2005, requires ecological monitoring to confirm previous results of ecological risk evaluations and assessments that lead concentrations in soil in the non-remediated areas remain protective of the environment. In September 2006, Site 3 was transferred and is now Fort Ord Dunes State Park. The park includes hiking trails, future campgrounds, and ancillary facilities.

In June 2008, the Army prepared the Habitat Restoration and Monitoring Plan (HRMP) which outlines the strategy and methods to be used to further evaluate potential impacts to ecological receptors from exposure to residual metals within non-remediated areas.

Site close-out strategy:

As of 2013, the evaluation of impacts to ecological receptors in non-remediated areas indicated further evaluation is needed. In addition, well destruction efforts in 2014 triggered three additional years of habitat monitoring as required by the Biological Opinion. Once this monitoring is complete in 2017, it is likely that LTM will no longer be required and the site can be closed out.

### CLEANUP/EXIT STRATEGY

Site strategy is outlined in the site description above.



Site Name: SITE 12 DOL AUTO MAINT. AREA/CANNIBAL.YD

STATUS

Parcel: NONE
Regulatory Driver: CERCLA
RRSE: HIGH
Program: BRAC-IRP
Contaminants of Concern: Semi-volatiles (SVOC), Volatiles (VOC)
Media of Concern: Groundwater, Soil
BRAC Round: BRAC II

Table with 3 columns: Phases, Start, End. Rows include PA, SI, RI/FS, RD, RA(C), RA(O), LTM with corresponding dates.

RIP Date: 199912

RC Date: 202009

SITE DESCRIPTION

FTO-012 (Site 12) is located in the northwest portion of Fort Ord, adjacent to Highway 1 and Imjin Parkway, and encompasses approximately 17 acres. This site was used for light industrial activities related to vehicle maintenance. Operations caused both soil and groundwater (GW) contamination. The area was assessed in the 1995 Basewide Remedial Investigation and Feasibility Study (RI/FS).

Contaminated soils and associated debris were excavated from Site 12 during cleanup activities, and the area was backfilled with clean soil. Remedial actions to address soil contamination were completed successfully in 1998.

Site 12 GW contamination was discovered in 1989 following installation and sampling of monitoring wells. Monitoring and reporting of chemicals of concern (COCs), primarily trichloroethylene (TCE), in GW has occurred quarterly since 1992. The 1997 Basewide Record of Decision (ROD) includes both Sites 2 and 12 in the remedy of GW extraction, treatment, and reinjection. A GW extraction and treatment system (GWTS) began operating in 1999. After the 2004 property transfer, the Site 12 area was redeveloped into a commercial retail area, and several extraction wells were relocated to areas of higher contaminant concentrations.

In 2011, GW monitoring identified unexpected increasing concentrations of a second COC, tetrachloroethylene (PCE), found in GW at concentrations almost ten times the then aquifer cleanup level (ACL) of 3 ug/L. As a result, the FY12 Five-Year Review report recommended a soil gas (SG) investigation which was conducted in two phases near ground surface and adjacent to commercial structures in October 2012 and April 2013, and is documented in the 2013 Final Soil Gas Investigation Report. Data revealed the presence of PCE at concentrations up to 1,700 micrograms per cubic meter (ug/m3) (PCE screening level: 603 ug/m3 at 5 feet below ground surface (bgs)) and TCE at concentrations up to 2,400 ug/m3 (TCE screening level: 888 ug/m3 at 5 feet bgs).

In 2014, follow-up Data Gap and SVE Pilot Study investigations provided higher resolution of lateral and horizontal extents of GW and SG contamination, and PCE was detected at a maximum concentration of 96 ug/L. The 2011 to 2014 data have been compiled in the 2014 Sites 2 and 12 Addendum to the Basewide RI/FS Report. The baseline risk assessment determined an exposure pathway to indoor air is incomplete; therefore, remedial action objectives (RAOs) and the selection of technologies for remedial alternatives address contamination in GW and related contamination in SG.

RI/FS Addendum recommendations include revising the ACL for PCE from 3.0 ug/L to 5.0 ug/L (the current federal and state maximum contaminant level (MCL) for PCE in drinking water), either in situ treatment of GW with aeration via air sparging or additional extraction of GW in the PCE plume, and SVE and treatment with granular activated carbon. The current GW extraction system will be expanded to include soil vapor extraction (SVE) in FY15 and treatment will occur from FY16 through FY20. The GW extraction treatment system will also need to operate until FY20 to address elevated PCE concentrations in groundwater.

Site Strategy: (1) Revise ACL for PCE from 3.0 ug/L to 5.0 ug/L. (2) Expand GWTS to extract and treat TCE and PCE soil vapors (FY16 to FY20). (3) Continue RA(O) phase of GW treatment operations until COC concentrations meet ACLs under the ROD (FY20). (4) Conduct GW monitoring during four (4) years of Long Term Management (FY21 to FY24) to validate GW cleanup is complete. (5) Conduct a baseline survey immediately before abandoning ten (10) wells in sensitive dune habitat and three (3) years of follow-on habitat monitoring (FY24 to FY27).

CLEANUP/EXIT STRATEGY

Site strategy is outlined in the site description above.

Site ID: FTO-039

## Site Name: SITE 39 INLAND RANGES

### STATUS

**Parcel:** BLM (7379.99 acres), SEASIDE (FORA) (FOSET 5) (615.43 acres), MONTEREY COUNTY (FORA) (FOSET 5) (2290 acres), DEL REY OAKS (FORA) (FOST 10) (4.66 acres)

**Regulatory Driver:** CERCLA

**RRSE:** HIGH

**Program:** BRAC-IRP

Contaminants of Concern: Explosives, Metals, Semi-volatiles (SVOC)

Media of Concern: Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	199006.....	199012
SI.....	199006.....	199012
RI/FS.....	199006.....	199510
RD.....	199603.....	199801
RA(C).....	200809.....	202409
LTM.....	202410.....	203509

**RIP Date:** N/A

**RC Date:** 202409

### SITE DESCRIPTION

FTO-039 (Site 39 Inland Ranges) is located in the southwestern portion of former Fort Ord and includes the Impact Area (approximately 8,000 acres) and three ranges in US Department of the Interior, Bureau of Land Management (BLM), Area B (869 acres; FTO-002-R-01, FTO-004-R-01, and FTO-005-R-01). Since Basewide Range Assessment (BRA) requirements also apply to former Fort Ord ranges outside Site 39 (2001 Draft Final BRA Work Plan, 2009 Site 39 Record of Decision (ROD) Amendment), BLM Area B has been included in this Site 39 narrative.

Note: Unexploded ordnance is being addressed under FTO-014-R-01 while contaminated soil from small arms ammunition (lead, copper and antimony) as well as explosives constituents such as RDX, HMX and TNT from larger munitions is being addressed under FTO-039.

The proposed future use for most of the Impact Area and BLM Area B will be as a Natural Resource Management Area (NRMA). These areas will be managed by BLM, and public access will be managed or restricted. Several areas within, but along the periphery of the Impact Area have a proposed future land use other than as a NRMA, and soil remediation has been completed to support reuse.

The selected remedial alternatives for the Site 39 Inland Ranges, as documented in the 1997 Basewide ROD, are excavation where concentrations of lead in soil are above 1,860 parts per million (the identified level to address human health) and placement of soils in the Fort Ord Landfill (Operable Unit 2 or OU2) in accordance with the substantive requirements of the Corrective Action Management Unit regulations. Additional investigations have occurred since the 1997 ROD to characterize these areas as Munitions and Explosives of Concern (MEC) remediation continues. An Ecological Risk Assessment and a Feasibility Study (FS) Addendum to identify remedial cleanup levels were completed in 2007 and 2008, respectively. The 2008 FS Addendum identified specific areas and volumes of contaminated soils to be excavated and removed.

An amendment to the 1997 ROD was signed in September 2009. The 2009 Site 39 ROD Amendment established cleanup levels to address ecological risks, is protective of human health, and has led to significant increases in soil volumes to be excavated and placed into OU2 Cell E. Although the 2009 ROD Amendment estimated about 125,000 cubic yards (CY) of contaminated soil remained to be remediated on Site 39, it also included a process to characterize additional areas with metals and explosive constituents in soil that may be identified in the future as MEC responses are completed. More than 152,748 CY have been excavated and placed into OU2 Cell E since November 2009. The remaining 3,300 CY of known contaminated soil on Historical Areas (HAs) 31/31A will require subsurface MEC remediation, excavation, transportation, and placement on OU2 Cell E for capping in accordance with the 2009 Site 39 ROD Amendment.

Site Strategy: For cost efficiency purposes, the remaining soil excavation has been scheduled to begin in FY20 and extend to FY22 to coincide with the completion of MEC remediation being conducted under the 2008 Track 3 ROD. This will ensure that all contaminated soil discovered following the MEC remediation at the Impact Area and BLM Area B will be managed in a single mobilization rather than in multiple mobilizations or construction projects. All Site 39 excavation sites are required to be restored and monitored to demonstrate successful restoration of critical habitat and rare, threatened, and endangered species. No impacts to groundwater have been identified. The response complete date is projected to FY35 due to multi-year habitat restoration requirements identified in the 2009 Site 39 ROD Amendment.

### CLEANUP/EXIT STRATEGY

Site strategy is outlined in the site description above.

**Site ID: FTO-041**

**Site Name: SITE 41 FAAF FIRE DRILL AREA (OU1)**

**STATUS**

**Parcel:** UCMBEST (FOST 12) (46.32 acres)

**Regulatory Driver:** CERCLA

**RRSE:** HIGH

**Program:** BRAC-IRP

Contaminants of Concern: Volatiles (VOC)

Media of Concern: Groundwater

**BRAC Round:** BRAC II

<b>Phases</b>	<b>Start</b>	<b>End</b>
PA.....	198006.....	198012
SI.....	198405.....	198612
RI/FS.....	198701.....	198705
RA(C).....	198707.....	198806
RA(O).....	198807.....	201503
LTM.....	201503.....	201909

**RIP Date:** 198807

**RC Date:** 201503

**SITE DESCRIPTION**

During the operation of Fort Ord, Site FTO-041 was used as a firefighter training area. Over years of use, flammable solvents leached into soil and groundwater at the site. The Army completed the soil remedy through a series of removal actions with groundwater contamination of trichloroethylene (TCE) remaining. The Record of Decision (ROD) for this site identifies the remedy which includes groundwater extraction, treatment with granular activated carbon, and reinjection into the aquifer. Results of the Long Term Management (LTM) groundwater remediation program indicate that remediation is complete.

The remaining cleanup activities include completion of attainment monitoring, agency concurrence on exit strategy and status of attainment monitoring, demolition of the northwest treatment facility infrastructure and monitoring wells, and habitat monitoring.

Site Strategy: The onsite remedial actions are in the LTM phase. LTM will consist of one (1) to two (2) years of attainment monitoring, and well abandonment and treatment system decommissioning followed by three (3) years of habitat monitoring.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

Site ID: FTO-044

Site Name: RESERVATION ROAD SITE

STATUS

Parcel: MONTEREY COUNTY (FORA) (FOSET 5) (2290 acres),MARINA (FORA) (FOSET 5) (52.87 acres)
Regulatory Driver: CERCLA
RRSE: HIGH
Program: BRAC-IRP
Contaminants of Concern: Volatiles (VOC)
Media of Concern: Groundwater
BRAC Round: BRAC II

Table with 3 columns: Phases, Start, End. Rows include PA, SI, RI/FS, RD, IRA, RA(C), RA(O), LTM with corresponding dates.

RIP Date: 201209

RC Date: 202509

SITE DESCRIPTION

Operable Unit Carbon Tetrachloride (OUCTP), Site FTO-044, is located in the north-central portion of Fort Ord. Historical information revealed that spent carbon tetrachloride, used to clean radio parts, was directly disposed of on the ground surface. Groundwater contamination of carbon tetrachloride from a surface release at FTO-044 has been under investigation since 1997.

The last round of bioremediation injections to address groundwater contamination in the A-Aquifer was completed in FY12. The injection system used single injection events in each of four deployment areas located throughout the footprint of the groundwater plume.

Site Strategy:

A-Aquifer. Evaluate the need for two additional bioremediation injections in a new deployment area to address residual contamination in groundwater. Continue bioremediation groundwater monitoring until aquifer cleanup levels identified in the ROD are achieved.

Upper 180-Foot Aquifer. Contaminated groundwater is extracted and treated utilizing a single extraction well (EW-OU2-09-180) to transport contaminated water to the FTO-053 treatment system.

Lower 180-Foot Aquifer. MNA is the selected remedial approach for this aquifer. Four new monitoring wells were installed in FY11, as specified in the ROD and Remedial Action Work Plan.

CLEANUP/EXIT STRATEGY

Site strategy is outlined in the site description above.

Site ID: FTO-053

Site Name: LANDFILL (OU2)

### STATUS

Parcel: MONTEREY COUNTY (FORA) (FOST 13) (146.8 acres),MARINA (FORA) (FOST 10) (40.18 acres)

Regulatory Driver: CERCLA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Groundwater, Other (Soil Gas), Soil

BRAC Round: BRAC II

Phases	Start	End
PA.....	199006.....	199012
SI.....	199012.....	199012
RI/FS.....	199012.....	199306
RD.....	199307.....	199612
RA(C).....	199512.....	200211
RA(O).....	199601.....	203109
LTM.....	203110.....	206109

RIP Date: 200211

RC Date: 203109

### SITE DESCRIPTION

FTO-053 (OU2) initially consisted of six landfill cells (150 acres) and associated contaminated groundwater (GW). The north portion of the landfill (Cell A, 30 acres) was used from 1956-1966 while the the main landfill (Cells B-F, 120 acres) operated from 1960-1987 and may have received a small amount of chemical waste (paint, oil, pesticides, electrical equipment, ink, and epoxy adhesive) along with household and commercial refuse. The Army began environmental investigation studies in 1988. The 1993 Final RI/FS Report indicated the presence of low levels of volatile organic compounds (VOCs) in GW, and semi-volatile organic compounds (SVOCs), metals, and pesticides in the soil. Remedies for the landfills included relocation of the waste in Cell A to the main landfill cells, installation of an engineered landfill cap on Cells B to F, installation of a treatment system to extract GW from the A-Aquifer and the Upper 180-Foot Aquifer, installation of a treatment system to extract landfill gas (LFG), and institutional controls. The OU2 Record of Decision was signed in 1994 and followed by four Explanations of Significant Differences issued in 1995, 1996, 1997, and 2006.

A GW treatment facility was constructed in 1995 to remediate GW underlying the landfill and continues to operate. Since treatment began, the Army has continuously evaluated effectiveness of the treatment by optimizing the number and locations of extraction wells. GW modeling completed in 2008 and reported in the exit strategy for OU2 estimated that the GW treatment system would need to remain in operation for approximately another 25 years (FY34) in its current configuration to reach Remedial Action (RA) Objectives. Based on that modeling, a cost benefit analysis evaluated relocating GW treatment operations to the OU2 landfill and constructing a new treatment plant. The analysis further indicated that relocating the treatment plant would result in significant cost savings and shorten GW cleanup by 10 years. This move provides the Army with a stronger and more flexible system to address future remediation challenges at OU2 and OUCTP (FTO-044), as well. A design-build contract for the treatment plant relocation was awarded in late 2014, and design is in progress. Construction will begin in FY16 and operations will switch over to the new treatment plant in FY17.

Due to the presence of LFG concentrations above applicable remediation criteria along the eastern perimeter of Cell F near adjacent residential areas, a treatment system was installed in 2001 to mitigate the potential effects of LFG. Based on the recommendations of the LFG pilot test evaluation report, the Army expanded the OU2 LFG extraction and treatment system by installing extraction wells around the entire perimeter of Area E and in the interior of Area F, and converting to a thermal treatment unit (TTU) in 2006. This TTU system intercepts LFG before GW contamination occurs, thereby shortening overall treatment system operation time.

Site Strategy: Relocate the groundwater treatment plant and increase treatment capacity; continue operation of the GW treatment system until contaminant concentrations in all aquifers meet the cleanup levels identified in the ROD; continue landfill operations and maintenance and LFG extraction and monitoring systems, as required by regulations. LTM phase will continue through at least FY61.

### CLEANUP/EXIT STRATEGY

Site strategy is outlined in the site description above.

# BRAC-IRP Schedule

**Date of BRAC-IRP Inception:** 198006

**Projected Phase Completion Milestones**

*See attached schedule*

**Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates**

Site ID	Site Name	ROD/DD Title	ROD/DD Date
FTO-012	SITE 12 DOL AUTO MAINT. AREA/CANNIBAL.YD	ESD #1 Basewide RI Sites 2 adn 12	20151130

**Final RA(C) Completion Date:** 202409

**NPL Deletion Date:** TBD

**Schedule for Next Five-Year Review:** 2017

**Estimated Completion Date of BRAC-IRP at Installation (including LTM phase):** 206109

## FORT ORD BRAC-IRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-003	SITE 3-BEACH TRAINFIRE RANGES	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-012	SITE 12 DOL AUTO MAINT. AREA/CANNIBAL.YD	RA(O)						
		LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-039	SITE 39 INLAND RANGES	RA(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-041	SITE 41 FAAF FIRE DRILL AREA (OU1)	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-044	RESERVATION ROAD SITE	RA(O)						
		LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-053	LANDFILL (OU2)	RA(O)						
		LTM						

# **FORT ORD**

## **Base Realignment and Closure Military Munitions Response Program**



# BRAC-MMRP Summary

**Installation Total Army Environmental Database-Restoration (AEDB-R) BRAC Sites/Closeout Sites Count:**

22/1

**Sites planned for RIP for FY2016**

Site ID	Site Name	Month
N/A		

**Sites planned for RC for FY2016**

Site ID	Site Name	Month
N/A		

**Installation Site Types with Future and/or Underway Phases\***

1	Small Arms Range (FTO-006-R-01)
20	Unexploded Munitions/Ordnance (FTO-001-R-01, FTO-002-R-01, FTO-003-R-01, FTO-004-R-01, FTO-005-R-01, FTO-007-R-01, FTO-008-R-01, FTO-009-R-01, FTO-010-R-01, FTO-011-R-01, FTO-012-R-01, FTO-013-R-01, FTO-014-R-01, FTO-015-R-01, FTO-016-R-01, FTO-017-R-01, FTO-018-R-01, FTO-019-R-01, FTO-020-R-01, FTO-022-R-01)

**Most Widespread Contaminants of Concern\***

Munitions and explosives of concern (MEC)

**Media of Concern\***

Soil

**Completed Remedial Actions (Interim Remedial Actions / Final Remedial Actions (IRA/FRA))\***

Site ID	Site Name	Action	Remedy	FY	Cost
N/A					

**Duration of BRAC-MMRP**

Date of BRAC-MMRP Inception:	200111
Date for Remedy-In-Place (RIP)/Response Complete (RC):	202109/202109
Date of BRAC-MMRP completion including Long Term Management (LTM):	205109

\*Note: This does not include sites closed prior to installation being identified as BRAC.

# BRAC-MMRP Contamination Assessment

## Contamination Assessment Overview

In February 1990 the former Fort Ord was listed on the National Priorities List (NPL) due to GW contamination. The Federal Facility Agreement (FFA) was signed in July 1990. The Army began military munitions investigations in 1993, including identification of potential munitions response sites (MRSs) through the archive search process. RAs using the Engineering Evaluation/Cost Analysis (EE/CA) process under CERCLA were conducted beginning in 1994. Fort Ord was officially closed in September 1994 in response to the 1991 BRAC. The Army was sued for not following the CERCLA process by not preparing an RI/FS for military munitions.

In 1998 the Army settled the suit by agreeing to complete an RI/FS for military munitions at Fort Ord. To expedite property transfer, the Army categorized the 121 known or suspected sites into three tracks for the purposes of munitions response investigations. The Department of Justice required the Army to evaluate all areas other than identified sites in another track, which became Track 0. In April 2000 an agreement was signed between the Army, USEPA, and California Department of Toxic Substances Control (DTSC) to evaluate military munitions at the former Fort Ord subject to the provisions of the Fort Ord FFA. Track 0 through Track 3 are described below:

### Track 0

This track covers areas that do not contain evidence of MEC and have never been suspected as having been used for military munitions-related activities of any kind. The Track 0 process addresses single or grouped areas of land at the former Fort Ord that do not have history of munitions-related use and for which No Action is necessary to protect human health and the environment. Details of the Track 0 program and areas addressed are provided in the Track 0 ROD (2002), and the Track 0 ESD (2005).

### Track 1

This track covers sites where military munitions were suspected to have been used, but based on the RI/FS for each site, it falls into one of the following three categories and NFA is required:

- Category 1: There is no evidence to indicate military munitions were used at the site (i.e., suspected training did not occur); or
- Category 2: The site was used for training, but the military munitions items used do not pose an explosive hazard (i.e., training did not involve explosive items); or
- Category 3: The site was used for training with military munitions, but military munitions items that potentially remain as a result of that training do not pose an unacceptable risk based on site-specific evaluations. Field investigations identified evidence of past training involving military munitions, but training at these sites involved only the use of practice and/or pyrotechnic items that are not designed to cause injury. In the unlikely event that a live item of the type previously observed at the site is found, the item is not expected to function by casual contact (i.e., inadvertent and unintentional contact).

To be included in the Track 1 decision process, the results of the evaluation performed for a site must indicate a strong weight of evidence that the information from the literature review and field investigations supports NFA related to MEC as determined by the project team. Because Track 1 sites do not pose an unacceptable risk to human health or the environment from previous military munitions-related activities, NFA related to MEC is the recommended action at these sites (Track 1 ROD, 2005).

### Track 2

This track covers sites where MEC items were present and MEC removal has been conducted. Based on site-specific conditions, actions taken, residual potential risks, and anticipated future reuse, each Track 2 site or area will be evaluated through an RI/FS, proposed plan (PP), and ROD.

### Track 3

This track covers areas where MEC items are known or suspected to be present, but MEC investigations have not yet been completed. Sites will be evaluated through an RI/FS, PP, and ROD.

Numerous parcels and MRSs have been documented as Track 0 areas and Track 1 sites, and transferred with no restrictions. RODs selecting LUCs were signed for two Track 2 munitions response areas (MRAs). The former Impact Area was evaluated as a Track 3 site; RAs are in progress based on a 2008 Track 3 ROD. Remaining areas are currently being evaluated under the Track 1 and Track 2 processes.

In March 2007, the Army and FORA entered into an ESCA concerning a total of 3,426 acres of the former Fort Ord property. These acreages affect MMRP sites and have been transferred to FORA under the Early Transfer authority. The ESCA requires FORA to complete munitions response activities necessary to obtain site closeout under CERCLA (except Army Obligations that are listed in the ESCA) in areas included in the ESCA. The Army remains the lead agency under CERCLA. The ESCA grant has been paid to FORA according to a schedule described in the agreement.

In the ESCA process, the FORA will develop RI/FSs and implement selected remedial actions for the ESCA areas. These activities will be coordinated with the Army, and will be conducted under supervision of EPA and DTSC in accordance with the Administrative Order on Consent (AOC). The same regulatory oversight, cleanup requirements, and public participation requirements apply to the ESCA as would apply if the Army were conducting the cleanup. Further details concerning FORA's ESCA remediation program can be found at FORA's website at [www.fora-esca-rp.com](http://www.fora-esca-rp.com) and (831) 883-3506.

**FORT ORD**

**Military Munitions Response Program**

**Site Descriptions**

**Site ID: FTO-001-R-01**  
**Site Name: BLM-EAST**

**STATUS**

**Parcel:** BLM Oil Well Road L20.4 (65.88 acres),BLM (7379.99 acres),MONTEREY COUNTY (FORA) (FOST 10) (380.05 acres)  
**Regulatory Driver:** CERCLA  
**Program:** BRAC-MMRP  
**MRSPP Score:** 03  
 Contaminants of Concern: Munitions and explosives of concern (MEC)  
 Media of Concern: Soil  
**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200710.....	201909
LTM.....	201910.....	204909

**RIP Date:** N/A  
**RC Date:** 201909

**SITE DESCRIPTION**

The BLM-East (FTO-001-R-01) range complex covers approximately 1,847.1 acres. It is located in the southeast section of Former Fort Ord and contains approximately 30 training and maneuver areas. Training maps from 1984 indicate these areas of the complex as several small unit infantry maneuver training areas likely used from the 1940s until the closure of the base in 1994 involving signaling and simulator devices as well as small arms blank ammunition. Munitions response including sampling and removal has been conducted on some ranges in the complex. This complex and adjoining property have been transferred to the Bureau of Land Management (BLM) for use as public lands. The area is subject to the requirements of a Munitions Response (MR) RI/FS program.

Investigation of potential soil contamination was conducted under the Basewide Range Assessment program. Based on the evaluation no further action related to soil contamination is required. This range complex is within areas designated as a Natural Resource Management Area.

In March 2007, the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the BRAC office will provide oversight of FORA's activities as described in the ESCA. Approximately 5.6 acres of FTO-001-R-01 is included in the ESCA project. The ESCA parcels are portions of E11b.7.1 and L20.8.

The site strategy for the ESCA-portion of this range complex includes oversight of the FORA ESCA remediation program until site closeout is attained, which is expected in FY19. The cost of ESCA oversight is captured under program management (ESCA Oversight).

The site strategy for the remaining portion of the range complex includes:

- Track 1 sites: The selected remedy for the following sites is NFA based on the Track 1 ROD (MRS-27X, MRS-32A/B, MRS-63, MRS-69, and MRS-70; 239 acres). The selected remedy for the following sites (MRS-14C, MRS-17, MRS-27N/R/S/U, MRS-32C and MRS-61, MRS-67, MRS-68; and portions of MRS-14B, MRS-27T/Q/V/W, and MRS-64; 943 acres) is NFA based on a Track 1 Approval Memorandum. LTM measures are required based on Track 1 ROD.
- Track 1 future sites: Based on the Final Remaining RI/FS Areas Management Plan and completed site assessment investigations, NFA will be recommended for MRS-14B, MRS-14E, MRS-27K/L/M/O/P/Q/T/V/W, MRS-60, MRS-64 and MRS-65 (537 acres).
- Track 2 future sites: Approximately 143 acres of this range complex where MEC removal was previously conducted (MRS-14D, MRS-25, MRS-26, MRS-12, and MRS-21), are included in Track 2 RI/FS for BLM Area B. A decision document is under production.

LTM measures will be required for this range complex through FY49.

An explanation of the remedial activities for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

**Site ID: FTO-002-R-01**  
**Site Name: BLM-EAST OTHER**

**STATUS**

**Parcel:** BLM (7379.99 acres), MONTEREY COUNTY (FORA) (FOST 10)  
(380.05 acres)  
**Regulatory Driver:** CERCLA  
**Program:** BRAC-MMRP  
**MRSPP Score:** 03  
**Contaminants of Concern:** Munitions and explosives of concern (MEC)  
**Media of Concern:** Soil  
**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200710.....	201601
RA(C).....	201602.....	201909
LTM.....	201910.....	204909

**RIP Date:** N/A  
**RC Date:** 201909

**SITE DESCRIPTION**

The BLM-East Other range complex (FTO-002-R-01) contains approximately 4,929.8 acres that surround the BLM - East complex areas on the southeast portion of Former Fort Ord. The acreage of this complex is not specifically identified as a range; however, these areas were used by troops to get from one area to another within BLM - East and as such are defined as range areas. The acreage of the complex was included in 1984 training facilities maps of small unit maneuver areas. The area is not indicated or identified as an area where military munitions were used. This complex has been transferred to the Bureau of Land Management (BLM) for use as public lands. The area is subject to the requirements of an MR RI/FS program.

Investigation of potential soil contamination was conducted under the Basewide Range Assessment (BRA) program. Based on the evaluation no further action related to soil contamination is required. Previously inaccessible areas where vegetation clearance is conducted for munitions and explosives of concern (MEC) removals will be evaluated for potential soil contamination under the BRA program. If there is evidence that military munitions recovered from the site have degraded and released constituents of explosives or metals into soils, these specific locations will be evaluated to determine if remediation is necessary. This range complex is within areas designated as a Natural Resource Management Area. Prescribed burning is the preferred method of vegetation clearance in support of any remedial action in habitat areas.

The site strategy for this range complex includes the following actions:

- Track 1 sites: The selected remedy for a 3,033 acre portion of the range complex is NFA based on a Track 1 Plug-In Approval Memorandum. LTM measures are required based on Track 1 ROD.
- Track 1 future sites: Based on the Final Remaining RI/FS Areas Management Plan and completed site assessment investigation, NFA will be recommended for a majority of the remainder of this range complex. A Track 1 Plug-In decision document will be prepared. LTM measures will be required based on Track 1 ROD.
- Track 2 future sites. Approximately 562 acres of this range complex are included in Track 2 RI/FS for BLM Area B. MEC removal will be required. A decision document is under production.
- This range complex would require LTM through FY49.

An explanation of the remedial activities for MR RI/FS Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

**Site ID: FTO-003-R-01**  
**Site Name: BLM-HQ**

**STATUS**

**Parcel:** NONE  
**Regulatory Driver:** CERCLA  
**Program:** BRAC-MMRP  
**MRSP Score:** No longer required  
**Contaminants of Concern:** Munitions and explosives of concern (MEC)  
**Media of Concern:** Soil  
**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	201001.....	201201
LTM.....	201202.....	201709

**RIP Date:** N/A  
**RC Date:** 201201

**SITE DESCRIPTION**

The BLM-Headquarters (BLM-HQ) occupies 12.9 acres and is located on the northern edge of the Impact Area and consists of MRS-35, the former range control. The impact area was historically used for small arms training, and as firing and impact areas for a variety of grenades, shoulder-launched projectiles, and other munitions. In 1994 MRS-35 was sampled to a depth of four feet. A total of 508 small arms and two munitions items (a grenade fuze and a ground illumination signal) were located. Munitions surface removal was conducted in January 1998. The September 2001 after action report indicates that no further munitions response is needed to support reuse of the property. The site was evaluated under the MR RI/FS process, and the selected remedy is NFA based on the Track 1 Plug-In process (MRS-35).

Investigation of potential soil contamination was conducted under a separate ROD Amendment. Based on the evaluation no further action related to soil contamination is required. (See FTO-039 for details).

The site strategy for this range complex includes implementation of LTM measures through FY17, however, the cost is negligible. An explanation for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP and in the cost to complete memorandum for this site.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

**Site ID: FTO-004-R-01**  
**Site Name: BLM-NORTH**

**STATUS**

**Parcel:** BLM (7379.99 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSP Score:** 03

Contaminants of Concern: Munitions and explosives of concern (MEC)

Media of Concern: Soil

**BRAC Round:** BRAC II

<b>Phases</b>	<b>Start</b>	<b>End</b>
PA.....	200111.....	200306
RI/FS.....	201001.....	201601
RA(C).....	201602.....	201909
LTM.....	201910.....	204909

**RIP Date:** N/A

**RC Date:** 201909

**SITE DESCRIPTION**

The BLM-North range complex (FTO-004-R-01), located in the central portion of the former Fort Ord, includes 727.8 acres and was used for maneuver, training, and weapons ranges from approximately 1930 through the 1950s involving rifle grenades and small arms. The area was later used for small unit infantry maneuver training involving simulators, signaling devices, and blank small arms ammunition until closure of the base in 1994. The area is planned for transfer to the Bureau of Land Management (BLM) for use as public lands, but this transfer has not been initiated. Vegetation burns were conducted and MEC removal and sampling actions were completed in the area. This area is subject to the requirements of the Fort Ord MR RI/FS program.

The following sites make-up FTO-004-R-01:

- MRS-10A,
- MRS-10B,
- MRS-19,
- MRS-27I,
- MRS-27J,
- MRS-48, and
- MRS-58.

Investigation of potential soil contamination was conducted under the Basewide Range Assessment (BRA) program. Based on the evaluation no further action related to soil contamination is required. Previously inaccessible areas where vegetation clearance is conducted for munitions and explosives of concern (MEC) removals will be evaluated for potential soil contamination under the BRA program. If there is evidence that military munitions recovered from the site have degraded and released constituents of explosives or metals into soils, these specific locations will be evaluated to determine if remediation is necessary. This range complex includes areas designated as a Natural Resource Management Area. Prescribed burning is the preferred method of vegetation clearance in support of any remedial action in habitat areas.

The site strategy for this range complex includes a Track 2-type MR RI/FS, PP, and ROD. Based on the Track 2 RI/FS for BLM Area B, approximately 185 acres of this range complex would require MEC removal. A decision document is under preparation.

This range would require LTM measures through FY49.

An explanation of the remedial activities for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

**Site ID: FTO-005-R-01**  
**Site Name: BLM-NORTH- XD**

**STATUS**

**Parcel:** BLM (7379.99 acres),MONTEREY COUNTY (FORA) (FOSET 5) (2290 acres),MONTEREY COUNTY (FORA) (FOST 10) (380.05 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSPP Score:** 03

Contaminants of Concern: Munitions and explosives of concern (MEC)

Media of Concern: Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200709.....	201601
RA(C).....	201602.....	201909
LTM.....	201910.....	204909

**RIP Date:** N/A

**RC Date:** 201909

**SITE DESCRIPTION**

The BLM-North-XD range complex (FTO-005-R-01), located in the central portion of the former Fort Ord, includes approximately 507 acres (previously 512.5 acres; five acres was transferred to FTO-020-R-01) and was used for maneuver, training, and weapons ranges from approximately 1930 through the 1950s involving rifle grenades and small arms. The area was later used for small unit infantry maneuver training involving simulators, signaling devices, and blank small arms ammunition until closure of the base in 1994. Some of the area has been transferred to the Bureau of Land Management (BLM) for use as public lands. The area is subject to the requirements of the Fort Ord MR RI/FS program.

Investigation of potential soil contamination was conducted under the Basewide Range Assessment (BRA) program. Based on the evaluation no further action related to soil contamination is required. Previously inaccessible areas where vegetation clearance is conducted for munitions and explosives of concern (MEC) removals will be evaluated for potential soil contamination under the BRA program. If there is evidence that military munitions recovered from the site have degraded and released constituents of explosives or metals into soils, these specific locations will be evaluated to determine if remediation is necessary (Reference 3). This range complex is within areas designated as a Natural Resource Management Area.

MRS-59A, MRS-59B, and MRS-27F were addressed as NFA sites in Track 1 ROD and a Track 1 Plug-In Approval Memorandum.

In March 2007 the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the Fort Ord Base Realignment and Closure Field Office will provide oversight of FORA's activities as described in the ESCA. Approximately 56.3 acres of FTO-005-R-01 are included in the ESCA project. NFA has been approved for the portion of the range complex that is included in the ESCA.

The site strategy for this range complex includes:

- Track 1 sites: The selected remedy for 59 acres of this range complex is NFA based on the Track 1 ROD (MRS-59A) and a Track 1 Plug-In Approval Memorandum (MRS-59B and MRS-27F). LTM measures are required based on Track 1 ROD.
- Track 1 future sites: Based on the Final Remaining RI/FS Areas Management Plan and completed site assessment investigation, NFA will be recommended and a Track 1 Approval Memorandum will be prepared for MRS-27D, MRS-57, and MRS-59 (235 acres).
- Track 2 future sites: Track 2 RI/FS, PP, and ROD will be prepared for approximately 154 acres where MEC removal may be required (MRS-54, MRS-56, MRS-53BLM, MRS-27G, MRS-27H, MRS-41, and MRS-9).

LTM measures will be required for this range complex through FY49.

An explanation of the remedial activities for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.



**Site ID: FTO-006-R-01**  
**Site Name: COASTAL SMALL ARMS RANGE**

**STATUS**

**Parcel:** NONE

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSP Score:** No longer required

**Contaminants of Concern:** Munitions and explosives of concern (MEC)

**Media of Concern:** Soil

**BRAC Round:** BRAC II

<b>Phases</b>	<b>Start</b>	<b>End</b>
PA.....	200111.....	200306
LTM.....	200309.....	201709

**RIP Date:** N/A

**RC Date:** 200306

**SITE DESCRIPTION**

The Coastal Small Arms Range (FTO-006-R-01) covers approximately 951.8 acres and was in use from the 1940s through base closure in 1994. This is also site FTO-003 under the Installation Restoration Program (IRP). Initial walkthrough, munitions sampling, and other activities were conducted on the beach range complex, located on the coast of Monterey Bay. No further munitions response is required for this range complex (MRS-22) based on the Track 1 ROD. Significant portions of the area were excavated as part of a RA to address lead-contaminated soil associated with small arms ranges (FTO-003). The area of the complex was transferred to the Department of the Interior, which later transferred it to the state of California. As of March 2009 this area has been opened to the public for use as a state park. Much of the area will be managed as a habitat reserve with designated trails accessible to the public.

Investigation and cleanup of soil contamination associated with the small arms ranges was completed under a separate Record of Decision (ROD). While monitoring is required, no further action (NFA) regarding soil contamination is required (FTO-003).

The site strategy for this range complex includes implementation of LTM measures through FY17, however, the cost is negligible. An explanation of the RAs for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

**Site ID: FTO-007-R-01**  
**Site Name: CSUMB**

**STATUS**

**Parcel:** CSUMB (FORA) (FOSET 5) (322.84 acres)  
**Regulatory Driver:** CERCLA  
**Program:** BRAC-MMRP  
**MRSP Score:** Evaluation pending  
Contaminants of Concern: Munitions and explosives of concern (MEC)  
Media of Concern: Soil  
**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200710.....	201609

**RIP Date:** N/A  
**RC Date:** 201609

**SITE DESCRIPTION**

Archive information indicates that the ranges of this complex (FTO-007-R-01) cover approximately 356.6 acres and were used for infantry maneuver training until the base closed in 1994. These ranges are located in the central portion of former Fort Ord, along the northern edge of the designated range areas. A sampling of the area indicates sites containing practice mines, practice grenades, and booby-trap training areas, Chemical, Biological, Radiological (CBR) training, and ordnance cache burial pits. A subsurface removal action has been completed on the ranges of the complex. The area is planned for development by the California State University, Monterey Bay (CSUMB).

- This area includes the following Fort Ord designated MRSs:
- MRS 27Y,
  - MRS-4C,
  - MRS-7,
  - MRS-8,
  - MRS-13C,
  - MRS-31, and
  - MRS-18.

Investigation of potential soil contamination was conducted under the Basewide Range Assessment program. Based on the evaluation no further action (NFA) related to soil contamination is required.

In March 2007, the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the BRAC office will provide oversight of FORA's activities as described in the ESCA. Approximately 332.8 acres of FTO-007-R-01 are included in the ESCA project.

The site strategy for the ESCA-portion of this range complex includes oversight of the FORA ESCA remediation program until site closeout is attained, which is expected in FY16. The cost of ESCA oversight is captured under program management (ESCA Oversight).

The site strategy for the remainder of this range complex includes implementation of LTM measures based on the Track 1 ROD, through the FY17 five-year review; however, the cost is negligible. Since this is a zero cost site, AEDB-R will be updated when LTM is underway. An explanation of the RAs for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

## STATUS

**Parcel:** NONE

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSP Score:** No longer required

Contaminants of Concern: Munitions and explosives of concern (MEC)

Media of Concern: Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
LTM.....	200309.....	201709

**RIP Date:** N/A

**RC Date:** 200306

## SITE DESCRIPTION

Archive information indicates that the ranges of this complex (FTO-008-R-01) were used for small unit infantry maneuver training until the area was developed for military housing in 1987. These ranges occupy approximately 41.1 acres and are located in the central portion of former Fort Ord, along the northern edge of the designated range areas. A sampling of the area located one expended munitions debris item and 66 small arms ammunition items. The area has been transferred for use as student and faculty housing and future development to California State University Monterey Bay (CSUMB).

Investigation of potential soil contamination was conducted under the Basewide Range Assessment program. Based on the evaluation no further action (NFA) related to soil contamination is required.

The selected remedy for this range complex (MRS-66) is NFA based on the Track 1 ROD. LTM measures are required based on the Track 1 ROD and will be implemented until the FY17 five-year review, however, the cost is negligible. An explanation of the RAs for Tracks 0-3 can be found in the Cleanup Program Summary section of this BIAP.

## CLEANUP/EXIT STRATEGY

Site strategy is outlined in the site description above.

Site ID: FTO-009-R-01

Site Name: DEVELOPMENT-NORTH

## STATUS

**Parcel:** Marina Coast Water District (FORA)(FOST 10) (1.09 acres),MONTEREY COUNTY (FORA) (FOSET 5) (2290 acres),MONTEREY COUNTY (FORA) (FOST 10) (380.05 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSPP Score:** No longer required

Contaminants of Concern: Munitions and explosives of concern (MEC)

Media of Concern: Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200710.....	201003
LTM.....	201010.....	201709

**RIP Date:** N/A

**RC Date:** 201003

## SITE DESCRIPTION

Archive information indicates that the ranges of this complex (FTO-009-R-01), located adjacent to the CSUMB range complex in the northern portion of the range areas, were used for small unit infantry maneuver training involving signaling devices, simulator, and small arms blank ammunition. Actual periods of use were not documented. This range complex covers approximately 394.5 acres. A sampling of the area indicated sites containing practice mines, practice grenades, booby-trap training areas, and ordnance cache burial pits. The area is comprised of development areas with habitat requirements.

Investigation of potential soil contamination was conducted under the Basewide Range Assessment program. Based on the evaluation no further action (NFA) related to soil contamination is required.

In March 2007, the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the BRAC office will provide oversight of FORA's activities as described in the ESCA. Approximately 393.7 acres of FTO-009-R-01 is included in the ESCA project.

The site strategy for the ESCA portion of this range complex includes oversight of the FORA ESCA remediation program until site closeout is attained. The selected remedy is NFA for this area based on the Track 1 plug-in process.

The selected remedy is NFA for the remainder of the range complex (MRS-45A; 0.8 acres) based on the Track 1 Plug-In Approval Memorandum for Multiple Sites, Groups 1-5, at former Fort Ord. LTM measures are required for MRS-45A based on the Track 1 ROD and will be implemented until the FY17 five-year review, however, the cost is negligible. An explanation of the RAs for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

## CLEANUP/EXIT STRATEGY

Site strategy is outlined in the site description above.

**Site ID: FTO-010-R-01**  
**Site Name: EAST GARRISON**

**STATUS**

**Parcel:** MONTEREY COUNTY (FORA) (FOSET 5) (2290 acres), MONTEREY COUNTY (FORA) (FOST 10) (380.05 acres)  
**Regulatory Driver:** CERCLA  
**Program:** BRAC-MMRP  
**MRSPP Score:** Evaluation pending  
**Contaminants of Concern:** Munitions and explosives of concern (MEC)  
**Media of Concern:** Soil  
**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200710.....	201909

**RIP Date:** N/A  
**RC Date:** 201909

**SITE DESCRIPTION**

An archives search report found the ranges in the East Garrison (EG) site (FTO-010-R-01) were used for small arms and rifle grenade training from the 1930s through the 1950s, and small arms, infantry maneuver training involving signaling devices and simulators until closure of the base in 1994. The EG site is located in the east central portion of former Fort Ord and occupies approximately 71.0 acres. Munitions sampling and RAs have been completed on ranges in the complex. Plans for the area include housing development and a habitat reserve. MRSs included in the EG Site are MRS-5, MRS-33, MRS-11, and MRS-42. The selected remedy is NFA for MRS-5 in accordance with Track 1 ROD; and MRS-33 in accordance with the Track 1 Plug-In Approval Memorandum. An explanation of the RAs for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

Investigation of potential soil contamination was conducted under the Basewide Range Assessment program. Based on the evaluation no further action (NFA) related to soil contamination is required.

In March 2007, the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the BRAC office will provide oversight of FORA's activities as described in the ESCA. Approximately 41.7 acres of FTO-010-R-01 (MRS-11 and MRS-42) are included in the ESCA project.

The site strategy for the ESCA-portion of this range complex (MRS-11 and MRS-42) includes oversight of the FORA ESCA remediation program until site closeout is attained, which is expected in FY19. The cost of ESCA oversight is captured under program management (ESCA Oversight).

The site strategy for the remainder of this range complex (MRS-5 and MRS-33) includes implementation of LTM measures based on the Track 1 ROD, through the FY19 based on the projected date for completion of the ESCA Group 4 ROD; however, the cost is negligible.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

**Site ID: FTO-011-R-01**  
**Site Name: EAST GARRISON-OTHER**

**STATUS**

**Parcel:** MONTEREY COUNTY (FORA) (FOSET 5) (2290 acres), MONTEREY COUNTY (FORA) (FOST 10) (380.05 acres)  
**Regulatory Driver:** CERCLA  
**Program:** BRAC-MMRP  
**MRSPP Score:** Evaluation pending  
 Contaminants of Concern: Munitions and explosives of concern (MEC)  
 Media of Concern: Soil  
**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200710.....	201909

**RIP Date:** N/A  
**RC Date:** 201909

**SITE DESCRIPTION**

This complex (FTO-011-R-01) contains 385.1 acres around the East Garrison (EG) complex in the east central portion of former Fort Ord that is not currently identified as ranges or sites but may have been used for small unit infantry maneuver training involving signaling devices, blank ammunition, and simulators. Areas included in this complex are: EG Area 2, EG Area 4NE, and EG Area 4. The selected remedy is NFA for EG Area 2 and EG Area 4NE in accordance with Track 1 Plug-In Approval Memorandum. An explanation of the RAs for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

Investigation of potential soil contamination was conducted under the Basewide Range Assessment program. Based on the evaluation NFA related to soil contamination is required.

In March 2007, the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the BRAC office will provide oversight of FORA's activities as described in the ESCA. Approximately 204.5 acres of FTO-011-R-01 (EG Area 4) is included in the ESCA project.

The site strategy for the ESCA-portion of this range complex includes oversight of the FORA ESCA remediation program until site closeout is attained, which is expected in FY19. The cost of ESCA oversight is captured under program management (ESCA Oversight).

The site strategy for the remainder of this range complex (EG Area 2 and EG Area 4NE) includes implementation of LTM measures based on the Track 1 ROD, through the FY17 five-year review; however, the cost is negligible.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

**Site ID: FTO-012-R-01**  
**Site Name: GARRISON-NORTH**

**STATUS**

**Parcel:** MST (FORA) (FOST 10) (7 acres), MARINA (FORA) (FOST 10) (40.18 acres), VETERANS CENTER (FOST 9) (4.62 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSPP Score:** No longer required

**Contaminants of Concern:** Munitions and explosives of concern (MEC)

**Media of Concern:** Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200603
LTM.....	200603.....	201709

**RIP Date:** N/A

**RC Date:** 200603

**SITE DESCRIPTION**

This complex (FTO-012-R-01), located in the northern section of former Fort Ord and occupying approximately 141.0 acres, includes designated military weapons training areas and disposal sites likely operated between the 1930s and 1967. Discarded military munitions were located in some areas during installation restoration program actions.

Investigation of potential soil contamination was conducted under the Basewide Range Assessment program. Based on the evaluation no further action (NFA) related to soil contamination is required. This range complex includes MRS 1, 2, 6, 13A, 20, 24D, and 24E. The selected remedy is NFA for the MRSs within this range complex based on the Track 1 record of decision (ROD) and Track 1 Plug-In Approval Memorandum. Long term management measures are required based on the Track 1 ROD and will be implemented through the FY17 five-year review; however, the cost is negligible. An explanation of the RAs for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

**Site ID: FTO-013-R-01**  
**Site Name: GARRISON-SOUTH**

**STATUS**

**Parcel:** SEASIDE (FORA) (FOST 12) (70.31 acres),MPC (FOST 9) (15.17 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSP Score:** No longer required

**Contaminants of Concern:** Munitions and explosives of concern (MEC)

**Media of Concern:** Soil

**BRAC Round:** BRAC II

<b>Phases</b>	<b>Start</b>	<b>End</b>
PA.....	200111.....	200306
RI/FS.....	200510.....	201110
LTM.....	201111.....	201709

**RIP Date:** N/A

**RC Date:** 201110

**SITE DESCRIPTION**

Garrison-South (FTO-013-R-01), located west of Parker Flats range area, occupies approximately 92.3 acres. This complex includes designated practice grenade training areas used prior to the 1960s at which time military housing was developed in the area. Sampling was completed in all suspected areas. This range complex includes the following munitions response sites (MRS-24B, MRS-39, MRS-49, MRS-24A, and MRA-24C).

Investigation of potential soil contamination was conducted under the Basewide Range Assessment program. Based on the evaluation no further action (NFA) related to soil contamination is required.

The selected remedy for the MRSs within this range complex is NFA based on the Track 1 ROD (MRS-24B, MRS-39, and MRS-49) and a Track 1 Plug-In Approval Memorandum (MRS-24A and MRS-24C).

LTM measures are required based on the Track 1 ROD and will be implemented through FY17; however, the cost is negligible.

An explanation of the remedial activities for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.



## Site ID: FTO-014-R-01

## Site Name: MULTI-USE RANGE AREA - BLM

### STATUS

**Parcel:** BLM (7379.99 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSP Score:** 03

Contaminants of Concern: Munitions and explosives of concern (MEC)

Media of Concern: Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200307.....	200608
RA(C).....	200609.....	202109
LTM.....	202110.....	205109

**RIP Date:** N/A

**RC Date:** 202109

### SITE DESCRIPTION

The Multi-Use Range Area - BLM range complex (FTO-014-R-01) is located within the confines of the Impact Area in the southwest portion of the former Fort Ord and covers 6,316.8 acres (in 2006 the acreage was increased from 5,905.1 based on transferring 391 acres from FTO-016-R-01 and 20.7 acres from FTO-017-R-01). These ranges include the impact areas of approximately 27 small arms, mortar, rocket, and machine gun ranges as well as demolitions and incendiary munitions training areas used from the 1930s until the base was closed in 1994. The ranges contain similar expended munitions and munitions and explosives of concern (MEC). The area is not in use by the Army. Vegetation on this complex is protected under the Installation-wide Multispecies Habitat Management Plan (HMP). The area is planned to be transferred to the Bureau of Land Management (BLM) as a habitat reserve when all RA is complete.

Investigation and cleanup of soil contamination are conducted under a separate Record of Decision (ROD) Amendment. See FTO-039. This range complex is within areas designated as a Natural Resource Management Area (NRMA) containing central maritime chaparral (CMC). Prescribed burning has been identified as the preferred method of vegetation clearance to support the removal of MEC in NRMA containing CMC.

The Track 3 ROD for the Impact Area Munitions Response Area (MRA) was signed in May 2008. Based on the Track 3 ROD, the selected remedy for the Impact Area MRA is Technology-Aided Surface MEC Remediation, with Subsurface MEC Remediation in Selected Areas and LUCs. RA was initiated in 2008. An explanation of the remedial activities for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

Areas of this range complex are a part of the Track 3 Impact Area MRA addressed in the Track 3 ROD. Track 3 ROD also selected the final remedy for the approximately 273 acres of Ranges 43-48 where interim RA was conducted. Even though this acreage is a part of FTO-016-R-01, because the Track 3 remedy is a MRA-wide comprehensive RA, the cost for eventual site closure for the 273-acre portion of Ranges 43-48 is captured under FTO-014-R-01 with the rest of the Track 3 Impact Area MRA.

The site strategy for this range complex includes the implementation of the RA as described in the Track 3 ROD. The range complex will be divided into manageable work units, and a site-specific prescribed burn plan and MEC RA work plan will be prepared for each unit. RA(C) phase is expected to span several years. LTM is required through FY51.

### CLEANUP/EXIT STRATEGY

Site strategy is outlined in the site description above.

**Site ID: FTO-015-R-01**

**Site Name: MULTI-USE RANGE AREA - DRO**

## STATUS

**Parcel:** DEL REY OAKS (FORA) (FOSET 5) (5.04 acres), DEL REY OAKS (FORA) (FOST 10) (4.66 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSPP Score:** Evaluation pending

**Contaminants of Concern:** Munitions and explosives of concern (MEC)

**Media of Concern:** Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200610.....	201609
LTM.....	201610.....	204609

**RIP Date:** N/A

**RC Date:** 201609

## SITE DESCRIPTION

The Multi-Use Range Area DRO range complex (FTO-015-R-01) is located on the western edge of the Impact Area, occupies 335.3 acres, and includes hardstand, firing lines, and preparation areas for three small arms and mortar ranges that are located adjacent to a connector highway and local residential areas used from the 1930s until the base was closed in 1994.

Investigation and cleanup of soil contamination associated with the small arms ranges was completed under a separate Record of Decision (ROD). Additional investigation of potential soil contamination, including residues of explosives, was conducted under the Basewide Range Assessment program. No further action (NFA) regarding soil contamination is required.

A 324-acre portion of this range complex where MEC removal was previously conducted was transferred to the city of Del Rey Oaks as an early transfer with land use restrictions. A Track 2 ROD for this portion of the range complex was signed in November 2008 selecting land use controls as the remedy. MRS-15DRO.1A and MRS-15DRO.2A were addressed as NFA sites in a Track 1 Plug-In Approval Memorandum. An explanation of the remedial activities for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

In March 2007 the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the BRAC office will provide oversight of FORA's activities as described in the ESCA. Approximately 9.1 acres of FTO-015-R-01 are included in the ESCA project.

The site strategy for the ESCA-portion of this range complex includes oversight of the FORA ESCA remediation program until Site Closeout is attained, which is expected in FY16. The cost of ESCA oversight is captured under program management (ESCA Oversight).

The site strategy for the remaining portions of the range complex includes:

- Track 1 sites. The selected remedy is NFA for MRS-15DRO.1A and MRS-15DRO.2A based on a Track 1 Approval Memorandum. LTM measures are required based on Track 1 ROD.

- Track 2 sites. Implementation of the selected remedy based on the Del Rey Oaks ROD is required. LTM is required through FY46.

## CLEANUP/EXIT STRATEGY

Site strategy is outlined in the site description above.

**Site ID: FTO-016-R-01**  
**Site Name: MULTI-USE RANGE AREA - IA**

**STATUS**

**Parcel:** BLM (7379.99 acres),SEASIDE (FORA) (FOSET 5) (615.43 acres),MONTEREY COUNTY (FORA) (FOSET 5) (2290 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSPP Score:** Evaluation pending

Contaminants of Concern: Munitions and explosives of concern (MEC)

Media of Concern: Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200307.....	200407
RA(C).....	200709.....	201809
LTM.....	201810.....	204809

**RIP Date:** N/A

**RC Date:** 201809

**SITE DESCRIPTION**

The Multi-Use Range Area - IA range complex (FTO-016-R-01) is located within and just north of the Impact Area in the southwest portion of the former Fort Ord and covers 550.78 acres (previously 923.9 acres; 391 acres were transferred to FTO-014-R-01 in 2006 and approximately 18 acres were transferred from FTO-018-R-01 in 2008). These ranges were used for combined weapons training including mortars, 40mm grenades, anti-tank rockets, demolition charges, incendiary devices, and small arms from the 1930s until the base closed in 1994. An interim action (IA) has been conducted in portions of this range complex to address immediate risks of MEC due to the type of munitions on the ranges, and the proximity of the ranges to local residential areas and schools. The completed actions will be further evaluated in the MR RI/FS program for Site Closeout.

Investigation and cleanup of soil contamination was conducted under a separate Record of Decision (ROD) Amendment. This range complex is within areas designated as a Natural Resource Management Area containing central maritime chaparral.

An IA ROD covered MRS-Ranges 43-48, Range 30A and MRS-16 that comprised this site. Interim RA has been taken at Ranges 43-48 and MRS-16. Range 30A was included in a subsequent ROD for the Track 3 Impact Area MRA. An explanation of the remedial activities for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

In March 2007, the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the BRAC office will provide oversight of FORA's activities as described in the ESCA. Approximately 198.5 acres of FTO-016-R-01 are included in the ESCA project.

The site strategy for the ESCA-portion of this range complex includes oversight of the FORA ESCA remediation program until Site Closeout is attained, which is expected in FY18. The cost of ESCA oversight is captured under program management (ESCA Oversight).

The site strategy for the remaining portions of the range complex includes:

- MRS-16: LTM measures, including post-remediation habitat monitoring, are required as described in the Remedial Action Report. An evaluation of alternatives that will serve as the final remedy for MRS-16 is provided in the Track 2 RI/FS for BLM Area B and MRS-16. Final site closeout will be documented in a Track 2 ROD that will result from the Track 2 RI/FS. LTM phase for MRS-16 will continue through FY48.

- completion of the Track 3 remedy for the southern (non-ESCA) portion of Ranges 43-48 (see FTO-014-R-01).

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

**Site ID: FTO-017-R-01**  
**Site Name: MULTI-USE RANGE AREA - OB/OD**

**STATUS**

**Parcel:** BLM (7379.99 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSPP Score:** No longer required

Contaminants of Concern: Munitions and explosives of concern (MEC)

Media of Concern: Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200307.....	200601
LTM.....	200809.....	204409

**RIP Date:** N/A

**RC Date:** 200601

**SITE DESCRIPTION**

The Multi-use Range Area - OB/OD range area (FTO-017-R-01) covers approximately 1.8 acres (revised based on transferring 20.7 acres to FTO-014-R-01) and was an explosive ordnance disposal (EOD) range used for disposal of various types of commercial explosives and military munitions in the south-central portion of the former Fort Ord, within the confines of the Impact Area. Disposal occurred by open burning and open detonation (OB/OD). The range was used until October 1992, when the Former Fort Ord EOD unit was deactivated. From January 1994 to January 1997, this range was reactivated for disposal of unexploded ordnance (UXO) identified from the former Fort Ord Time-Critical Removal Action Program implemented outside the Impact Area. Potential contaminants present at the range as a result of past activities include explosive compounds and metals (FTO-005). The Army retains control of the area, currently, but the area is planned for transfer to the Bureau of Land Management (BLM) when cleanup of the surrounding area is complete (FTO-014-R-01). Reuse is planned to be limited to a habitat area.

Investigation of potential soil contamination, including residues of explosives, was completed through the RCRA-closure process and no further action (NFA) is required. See FTO-005. This range complex is within areas designated as a Natural Resource Management Area containing central maritime chaparral.

The site strategy for the remaining portions of the range complex includes the implementation of LTM measures required under the Track 3 ROD (FTO-014-R-01).

An explanation of the remedial activities for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

**Site ID: FTO-018-R-01**  
**Site Name: MULTI-USE RANGE AREA - SEA**

**STATUS**

**Parcel:** SEASIDE (FORA) (FOSET 5) (615.43 acres), MONTEREY COUNTY (FORA) (FOSET 5) (2290 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSPP Score:** Evaluation pending

**Contaminants of Concern:** Munitions and explosives of concern (MEC)

**Media of Concern:** Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200710.....	201909

**RIP Date:** N/A

**RC Date:** 201909

**SITE DESCRIPTION**

This complex (FTO-018-R-01) is located on the western edge of the impact area and it includes the hardstand, firing lines, and preparation areas for approximately nine small arms and mortar ranges used from the 1930s until the base was closed in 1994; this complex is now adjacent to a connector highway and local residential areas. This range complex includes MRS-SEA.1 through 4, and MRS-MOCO.2.

Investigation of potential soil contamination, including residues of explosives, was conducted under the Basewide Range Assessment program. Based on the evaluation no further action (NFA) related to soil contamination is required.

In March 2007, the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the BRAC office will provide oversight of FORA's activities as described in the ESCA. Approximately 452.5 acres (rounded to 453 acres) of FTO-018-R-01 are included in the ESCA project.

The site strategy for the ESCA-portion of this range complex includes oversight of the FORA ESCA remediation program until site closeout is attained, which is expected in FY19. The cost of ESCA oversight is captured under program management (ESCA Oversight).

The number of acres reported in the CTT report does not match the number of acres for the ESCA project at this range complex. The CTT report contained a mapping error; a small portion was incorrectly included in the range complex. The MR portion of the Army Environmental Database - Restoration (AEDB-R) has been revised as follows: FTO-018-R-01 is now 452.5 acres and FTO-016-R-01 is now 550.78.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

# Site ID: FTO-019-R-01

## Site Name: MULTI-USE RANGE AREA - SOUTH

### STATUS

**Parcel:** York School (FOST 10) (101.2 acres), MONTEREY COUNTY (FORA) (FOSET 5) (2290 acres), CITY OF MONTEREY (FORA) (FOSET 5) (23.31 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSPP Score:** Evaluation pending

Contaminants of Concern: Munitions and explosives of concern (MEC)

Media of Concern: Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200710.....	201609

**RIP Date:** N/A

**RC Date:** 201609

### SITE DESCRIPTION

The Multi Use Range Area - South (FTO-019-R-01) is located on the southern edge of the impact area, occupies approximately 232.7 acres, and includes the hardstand, firing lines, and preparation areas for approximately four small arms and mortar ranges used from the 1930s until the base was closed in 1994. The Multi-Use Area Range - South is now adjacent to a connector highway, local businesses, race track, and residential areas. This site has been transferred. Sampling and appropriate removal actions are completed on this complex. Sites included in FTO-019-R-01 are: MRS-30, MRS-43, MRS-46, MRS-47, and MOCO.1.

Investigation of potential soil contamination, including residues of explosives, was conducted under the Basewide Range Assessment program. Based on the evaluation no further action (NFA) related to soil contamination is required.

In March 2007 the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the BRAC office will provide oversight of FORA's activities as described in the ESCA. Approximately 101.6 acres of FTO-019-R-01 are included in the ESCA project (a portion of MRS-43, MRS-47, and MRS-30).

The site strategy for the ESCA-portion of this range complex includes oversight of the FORA ESCA remediation program until site closeout is attained, which is expected in FY16. The cost of ESCA oversight is captured under program management (ESCA Oversight).

The site strategy for the remainder of this range complex (MRS-MOCO.1 and MRS-46) Includes implementation of LTM measures based on the Track 1 ROD, until the FY17 five-year review; however, the cost is negligible. Since this is a zero cost site, AEDB-R will be updated when LTM is underway. An explanation of the RAs for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

### CLEANUP/EXIT STRATEGY

Site strategy is outlined in the site description above.

**Site ID: FTO-020-R-01**  
**Site Name: PARKER FLATS**

**STATUS**

**Parcel:** MST (FORA) (FOST 11) (27.01 acres), MPC (FORA) (FOSET 5) (10.97 acres), SEASIDE (FORA) (FOSET 5) (615.43 acres), MONTEREY COUNTY (FORA) (FOSET 5) (2290 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSPP Score:** Evaluation pending

Contaminants of Concern: Munitions and explosives of concern (MEC)

Media of Concern: Soil

**BRAC Round:** BRAC II

Phases	Start	End
PA.....	200111.....	200306
RI/FS.....	200710.....	201909
LTM.....	201910.....	204909

**RIP Date:** N/A

**RC Date:** 201909

**SITE DESCRIPTION**

An Archives Search Report (ASR) found the Parker Flats range complex (FTO-020-R-01) to have been used for rifle grenade and shoulder launched projectile training from the 1940s through 1970s. The area is approximately 1139.2 (revised from 1133.2 previously, approximately 5 acres had been transferred from FTO-005-R-01) acres and is in the central portion of Former Fort Ord. The area is designated for development including the Monterey Peninsula College police officer training area, equestrian center, and veteran's cemetery. Munitions removal was conducted in MRS-13B and in the southern 600 acres of the complex. Sites in this complex include MRS 3, 4A, 4B, 13B, 27A, 27B, 27C, 27G (partial), 37, 40, 44PBC, 44EDC, 50, 52, 53, 54EDC, and 55. The complex also includes the areas between these sites.

Investigation and remediation of soil contamination was conducted under the Basewide Range Assessment program. No further action (NFA) related to soil contamination is required.

Track 2 ROD for the 758-acre portion of this site where a MEC removal was previously conducted, was signed in August 2008 selecting land use controls as the remedy. An explanation of the RAs for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

In March 2007 the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the BRAC office will provide oversight of FORA's activities as described in the ESCA. Approximately 1,060.9 acres of FTO-020-R-01 are included in the ESCA project.

The site strategy for the ESCA-portion of this range complex includes oversight of the FORA ESCA remediation program until site closeout is attained, which is expected in FY19. The cost of ESCA oversight is captured under program management (ESCA Oversight).

The site strategy for the remainder of this range complex includes remedy implementation in three transfer parcels (Parcels F2.6 Army Maintenance Center, Parcel L2.3 Monterey-Salinas Transit (MST) Facility Park and Ride, and Parcel L2.4.1 MST Facility Maintenance Center). The site strategy is to implement LTM through FY49.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.

**Site ID: FTO-022-R-01**  
**Site Name: SOUTH RANGE AREA**

**STATUS**

**Parcel:** MONTEREY COUNTY (FORA) (FOSET 5) (2290 acres)

**Regulatory Driver:** CERCLA

**Program:** BRAC-MMRP

**MRSP Score:** Evaluation pending

Contaminants of Concern: Munitions and explosives of concern (MEC)

Media of Concern: Soil

**BRAC Round:** BRAC II

<b>Phases</b>	<b>Start</b>	<b>End</b>
PA.....	200111.....	200306
RI/FS.....	200710.....	201609

**RIP Date:** N/A

**RC Date:** 201609

**SITE DESCRIPTION**

This complex (FTO-022-R-01) covers approximately 421.7 acres and contains ranges outside the historic Impact Area in the southeast and southwest of former Fort Ord that are suspected to have been used for rifle grenades in the 1930s, 1950s, and from the 1960s to the closure of the base in 1994 as small unit infantry maneuver training areas. This site area has been transferred. Sites in this complex include MRS 14A, 29, and 62.

Investigation and remediation of soil contamination was conducted under the Basewide Range Assessment program. No further action (NFA) related to soil contamination is required.

In March 2007 the Army and the Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) concerning a total of 3,426 acres of the former Fort Ord property. Even though the munitions response responsibilities associated with the ESCA areas have been transferred to FORA, the BRAC office will provide oversight of FORA's activities as described in the ESCA. Approximately 193.4 acres of range complex (FTO-022-R-01) are included in the ESCA project (MRS-14A and MRS-29).

The site strategy for the ESCA-portion of this range complex includes oversight of the FORA ESCA remediation program until site closeout is attained, which is expected in FY16. The cost of ESCA oversight is captured under program management (ESCA Oversight).

The site strategy for the remainder of this range complex (MRS-62) includes implementation of LTM measures based on the Track 1 ROD, until the FY17 five-year review; however, the cost is negligible. Since this is a zero cost site, AEDB-R will be updated when LTM is underway. An explanation of the RAs for Tracks 0-3 can be found in the Cleanup Program Summary section of the BIAP.

**CLEANUP/EXIT STRATEGY**

Site strategy is outlined in the site description above.



# BRAC-MMRP Schedule

**Date of BRAC-MMRP Inception:** 200111

**Projected Phase Completion Milestones**

See attached schedule

**Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates**

Site ID	Site Name	ROD/DD Title	ROD/DD Date
FTO-004-R-01	BLM-NORTH	MMRP: Remaining Sites	20151001
FTO-002-R-01	BLM-EAST OTHER	MMRP: Remaining Sites	20151001
FTO-005-R-01	BLM-NORTH- XD	MMRP: Remaining Sites	20151001

**Final RA(C) Completion Date:** 202109

**NPL Deletion Date:** TBD

**Schedule for Next Five-Year Review:** 2017

**Estimated Completion Date of BRAC-MMRP at Installation (including LTM phase):** 205109

## FORT ORD BRAC-MMRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-001-R-01	BLM-EAST	RI/FS						
		LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-002-R-01	BLM-EAST OTHER	RI/FS						
		RA(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-003-R-01	BLM-HQ	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-004-R-01	BLM-NORTH	RI/FS						
		RA(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-005-R-01	BLM-NORTH- XD	RI/FS						
		RA(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-006-R-01	COASTAL SMALL ARMS RANGE	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-007-R-01	CSUMB	RI/FS						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-008-R-01	CSUMB-XD	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-009-R-01	DEVELOPMENT-NORTH	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-010-R-01	EAST GARRISON	RI/FS						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-011-R-01	EAST GARRISON-OTHER	RI/FS						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-012-R-01	GARRISON-NORTH	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-013-R-01	GARRISON-SOUTH	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-014-R-01	MULTI-USE RANGE AREA - BLM	RA(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-015-R-01	MULTI-USE RANGE AREA - DRO	RI/FS						
		LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-016-R-01	MULTI-USE RANGE AREA - IA	RA(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-017-R-01	MULTI-USE RANGE AREA - OB/OD	LTM						

### **FORT ORD BRAC-MMRP Schedule**

SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-018-R-01	MULTI-USE RANGE AREA - SEA	RI/FS						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-019-R-01	MULTI-USE RANGE AREA - SOUTH	RI/FS						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-020-R-01	PARKER FLATS	RI/FS						
		LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
FTO-022-R-01	SOUTH RANGE AREA	RI/FS						

# Community Involvement

**Technical Review Committee (TRC):** 199001

**Community Involvement Plan (Date Published):** 201309

**Restoration Advisory Board (RAB):** RAB established 1994

**RAB Adjournment Date:** 199905

**RAB Adjournment Reason:** Installation Commander determined RAB should be adjourned.

## Additional Community Involvement Information

Community Involvement is conducted in accordance with the Fort Ord Community Relations Plan which is periodically updated.

**RAB:** The Fort Ord RAB held monthly public meetings for five years where cleanup actions were presented and discussed. Participants in these meetings frequently expressed frustration with RAB meeting procedures, extended meetings and delays in the discussion of cleanup issues. RAB participation declined to eight members in 1998. After several attempts at facilitation by the USEPA and the Army, as well as DTSC and CRWQCB, and in spite of the efforts of many talented community members, the RAB was assessed as ineffective in providing a forum for the exchange of information and a source of advice for the Army. Subsequently, the RAB was disbanded by the Army in May 1999.

**Community Involvement Mobile Workshops:** The RAB public meeting process was replaced by Community Involvement Workshops (CIWs) to provide community members an opportunity to discuss cleanup plans, examine cleanup documents and express their interests or concerns. The meeting format is continually assessed and modified using community input and participant critiques to sustain an effective information exchange forum. Currently, the CIWs are held twice a year and are in the form of an open house and presentations on a bus tour of cleanup sites.

The objective of the CIWs is to provide an opportunity for community members to participate in the cleanup decision-making process. In addition to presentations on proposed cleanup plans, CIWs provide updates from the BRAC Cleanup Team (BCT) when appropriate. The BCT participates in the CIWs. Questions and comments by community members are solicited during the open house and bus tour portions of each workshop. Comment cards are also provided at each CIW for comments and questions as well as input for future topics on any cleanup subject. Questions, requests, and comments from attending community members are addressed in the CIW or in a response that is posted on [www.FortOrdCleanup.com](http://www.FortOrdCleanup.com) and provided at the next CIW in a document called "Closing the Loop".

**TRC:** Local and regional air, water, wildlife, land, public health, regulatory and service agencies, as well as educational institutions and government representatives review and comment on cleanup plans and documents as members of the Fort Ord TRC. The TRC meets twice a year to discuss technical material and provide advice to the Army, USEPA, DTSC, and the CRWQCB concerning pending cleanup decisions. The TRC was established in 1990.

The Fort Ord TRC and the community outreach program for the environmental cleanup at Fort Ord serve the purpose of the former Fort Ord RAB. It should be noted that the TRC meeting includes time to summarize comments from the CIW that usually occurs prior to the TRC. This is one way in which the TRC serves as an opportunity for sharing community concerns and input with local and regional regulatory and service agency representatives.

**Community Surveys:** Community interest was surveyed in 2013 was analyzed in the "Analysis of the 2013 Community Survey and 2013-2014 Community Outreach Program." The Final Community Plan Update Number 4, (Administrative Record number BW-2671A) was issued in November 2013. Updates to this Plan were based on the results of community surveys in 2007, 2009, and 2011 as well as analysis of the community outreach program since 2006 (the date of the previous version of the Community Relations Plan). In addition, in accordance with Department of Defense guidance, a 2015 community survey is in progress and the results will be reported in the future report: "Draft Analysis of the 2015 Community Survey and 2015-2016 Community Outreach Program" (draft report is scheduled for December 2016).

More information is available at 831-393-1284 or [www.FortOrdCleanup.com](http://www.FortOrdCleanup.com).

## Administrative Record is located at

Fort Ord Administrative Record  
Building 4463 Gigling Road  
Ord Military Community, CA 93944-5004  
Telephone: (831) 393-9693  
[www.fortordcleanup.com](http://www.fortordcleanup.com)

## Information Repository is located at

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## Community Involvement

Seaside Library  
550 Harcourt Avenue  
Seaside, CA 93955  
(831) 899-2055

California State University Monterey Bay Library  
(831) 582-3733

**Current Technical Assistance for Public Participation (TAPP):** N/A

**TAPP Title:** N/A

**Potential TAPP:** N/A

