

Track 1 Plug-In Approval Memorandum
BLM Area C

MR RI/FS “Track” Process

Track 0	Areas contain no evidence of munitions and explosives of concern (MEC) and have never been suspected as having been used for MEC-related activities.
Track 1	MEC were suspected, investigation revealed no further action necessary.
Track 2	MEC found, removal action conducted.
Track 3	MEC known or suspected, actions not complete.

Track 1 Definition

Sites where military munitions were suspected to have been used, but based on the RI/FS for each site, fall into one of the following three categories.

- 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 conducted in the Track 1 RI/FS. 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, it is not expected that the item would function by casual contact (i.e., inadvertent and unintentional contact).*

Track 1 Plug-In ROD

- No further action related to munitions response is required for Track 1 sites.
- The Track 1 Plug-In process was described in the *Record of Decision, No Further Action Related to Munitions and Explosives of Concern - Track 1 Sites, No Further Remedial Action with Monitoring for Ecological Risks from Chemical Contamination, Site 3 (AR# OE-0526)*.

Track 1 Plug-In Process

Prepare Approval Memorandum:

- A description of the site;
- A description of the historical use of the site;
- Rationale for the designation as Track 1; and
- Figures detailing location and any pertinent available MEC-related information.

Draft review by BCT

Provide public notification and distribute Approval Memorandum for a 30-day public review.

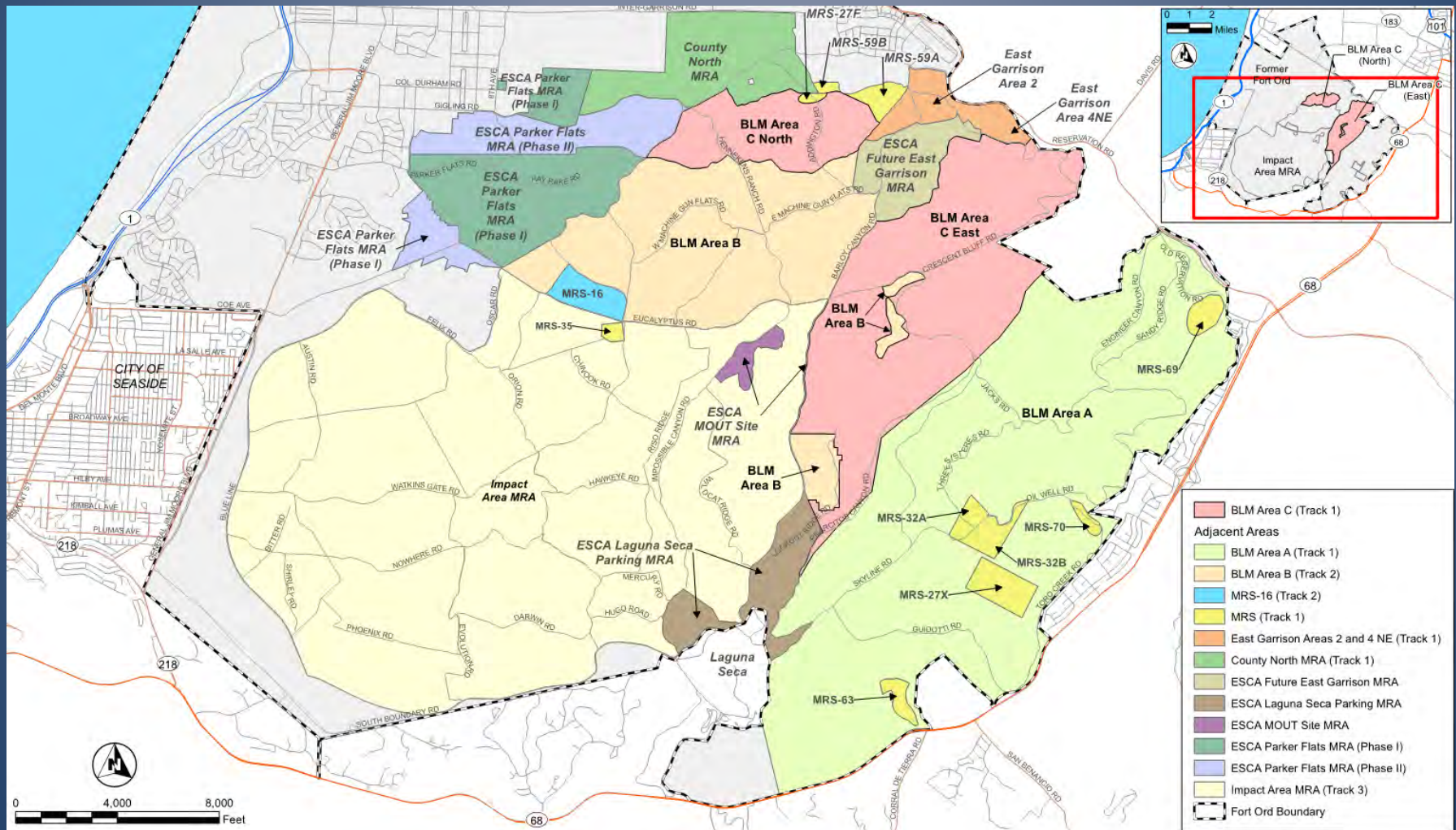
Collect and respond to public comments and receive agency approval.

Provide public notification of the agency-approved decision in a major local newspaper

Remaining RI/FS Areas Management Plan (BLM Areas)

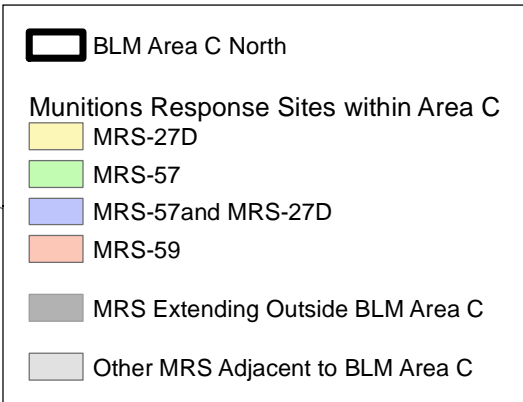
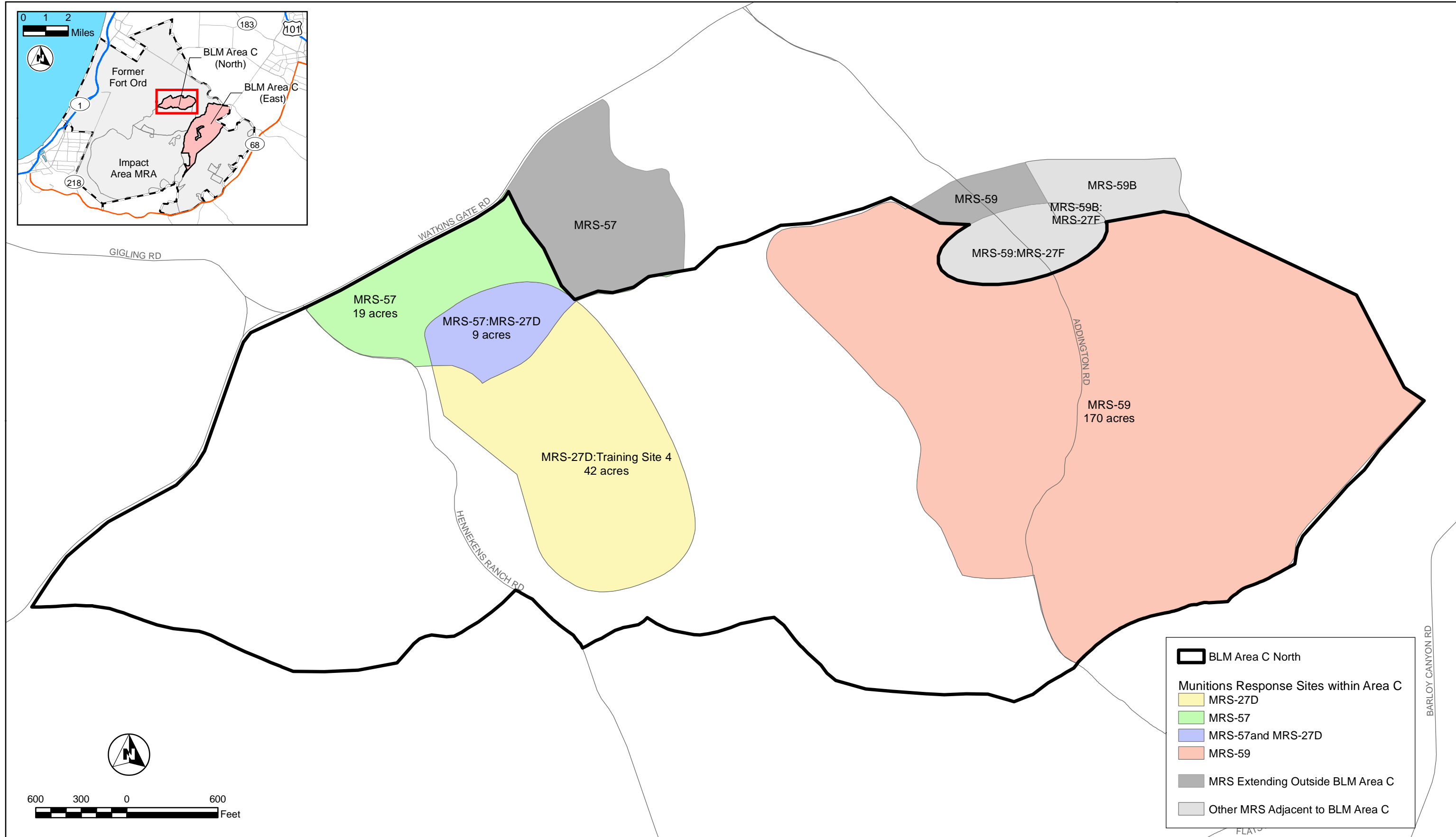
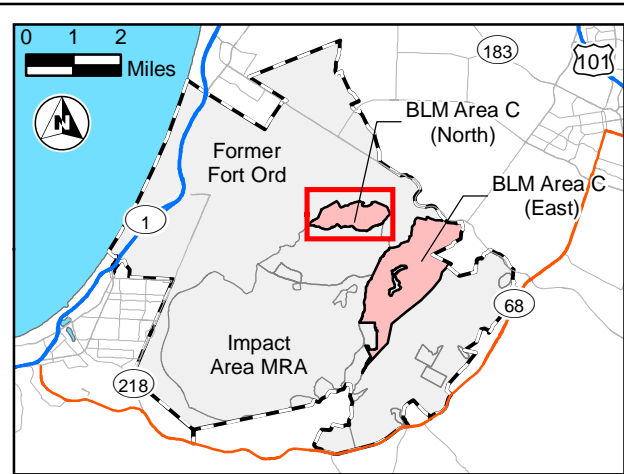
BLM East/Pre 1940 (Northern Portion)	Track 2 BLM Area B and MRS-16 ROD (AR# OE-0897)
	Track 1, Plug-In Approval Memorandum, BLM Area C
BLM East/Pre 1940 (Southern Portion)	Track 2 BLM Area B and MRS-16 ROD (AR# OE-0897)
	Track 1, Plug-In Approval Memorandum, BLM Area C
BLM East/Post 1940 (Northern Portion)	Track 1, Plug-In Approval Memorandum, BLM Area A (AR# OE-0780)
BLM East/Post 1940 (Southern Portion)	Track 1, Plug-In Approval Memorandum, BLM Area A (AR# OE-0780)
BLM North (Northern Portion)	Track 1, Plug-In Approval Memorandum, BLM Area C
	Track 2 BLM Area B and MRS-16 ROD (AR# OE-0897)
BLM North (Southern Portion)	Track 1, Plug-In Approval Memorandum, BLM Area C
	Track 2 BLM Area B and MRS-16 ROD (AR# OE-0897)
Range Control/BLM Headquarters	Track 1 Plug-In Approval Memorandum, BLM-Headquarters and MRS-35, Former Fort Ord, California (AR# OE-0740)

BLM Area C and Adjacent Areas



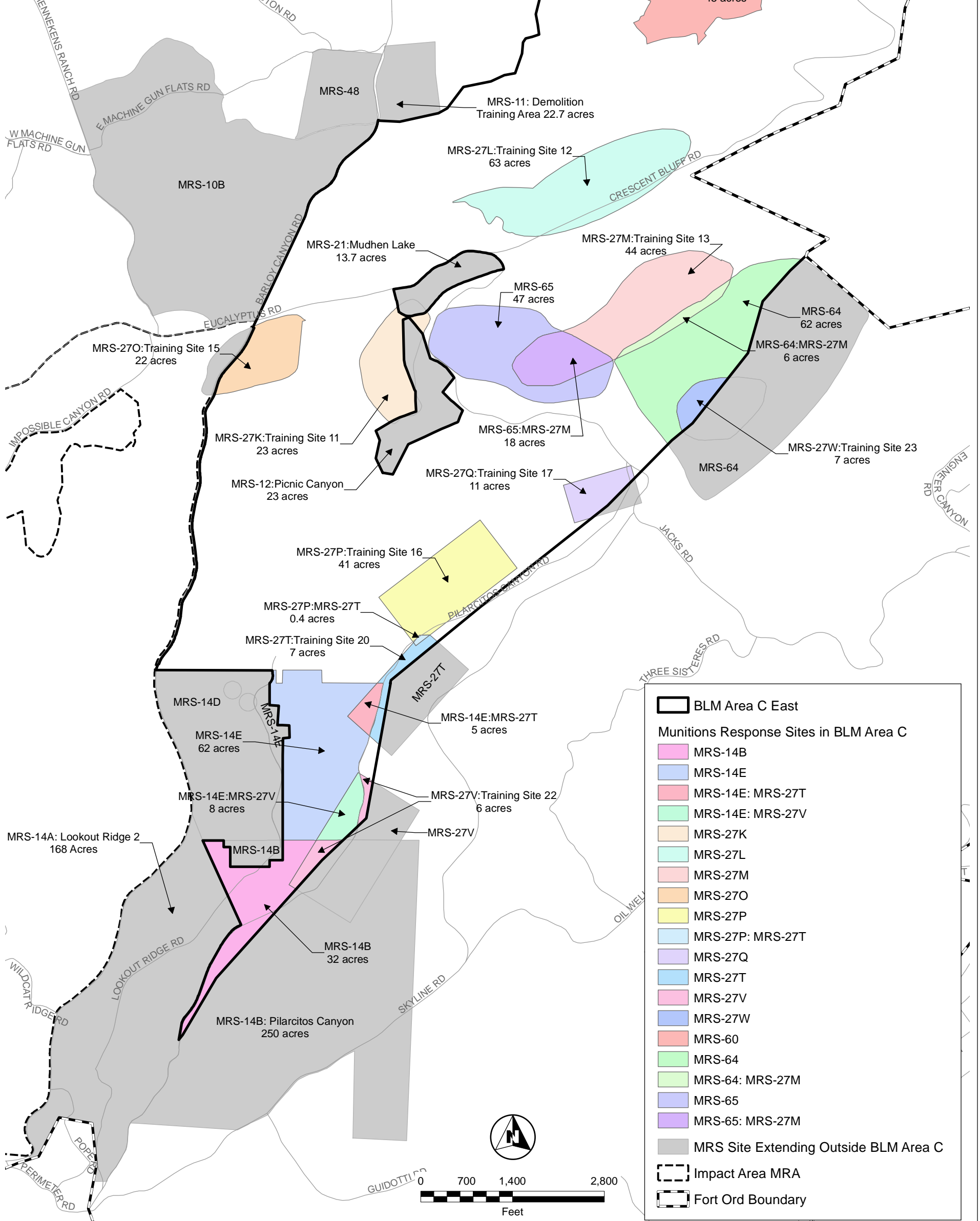
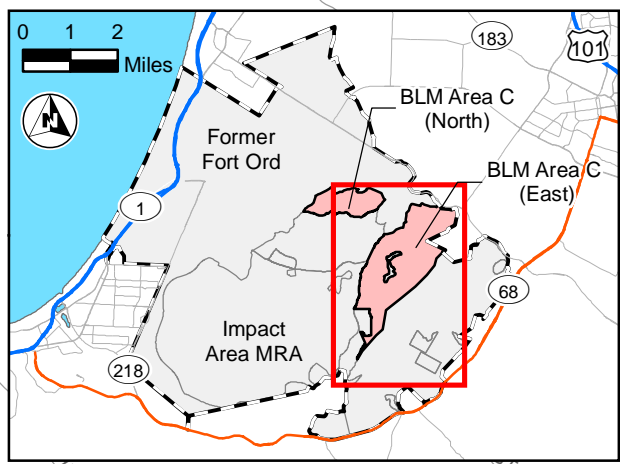
BLM Area C Description

- *Approximately 2,170 acres north and east of the Impact Area MRA.*
- *BLM Area C North (456 acres)*
 - *MRS-27D, MRS-57, MRS-59, and*
 - *approximately 217 acres of land between and around these sites.*
- *BLM Area C East (1,714 acres)*
 - *MRS-14B, MRS-14E, MRS-27K, MRS-27L, MRS-27M, MRS-27O, MRS-27P, MRS-27Q, MRS-27T, MRS-27V, MRS-27W, MRS-60, MRS-64, MRS-65, and*
 - *approximately 1,206 acres of land between and around these MRSs.*
- *Does not include previously approved Track 1 sites or areas included in Track 2 BLM Area B.*



Track 1 Plug-In Approval Memorandum BLM Area C
Former Fort Ord, California

Figure 4
BLM Area C North
Munitions Response Sites



Track 1 Plug-In Approval Memorandum BLM Area C
Former Fort Ord, California

Figure 5
BLM Area C East
Munitions Response Sites

BLM Area C North History

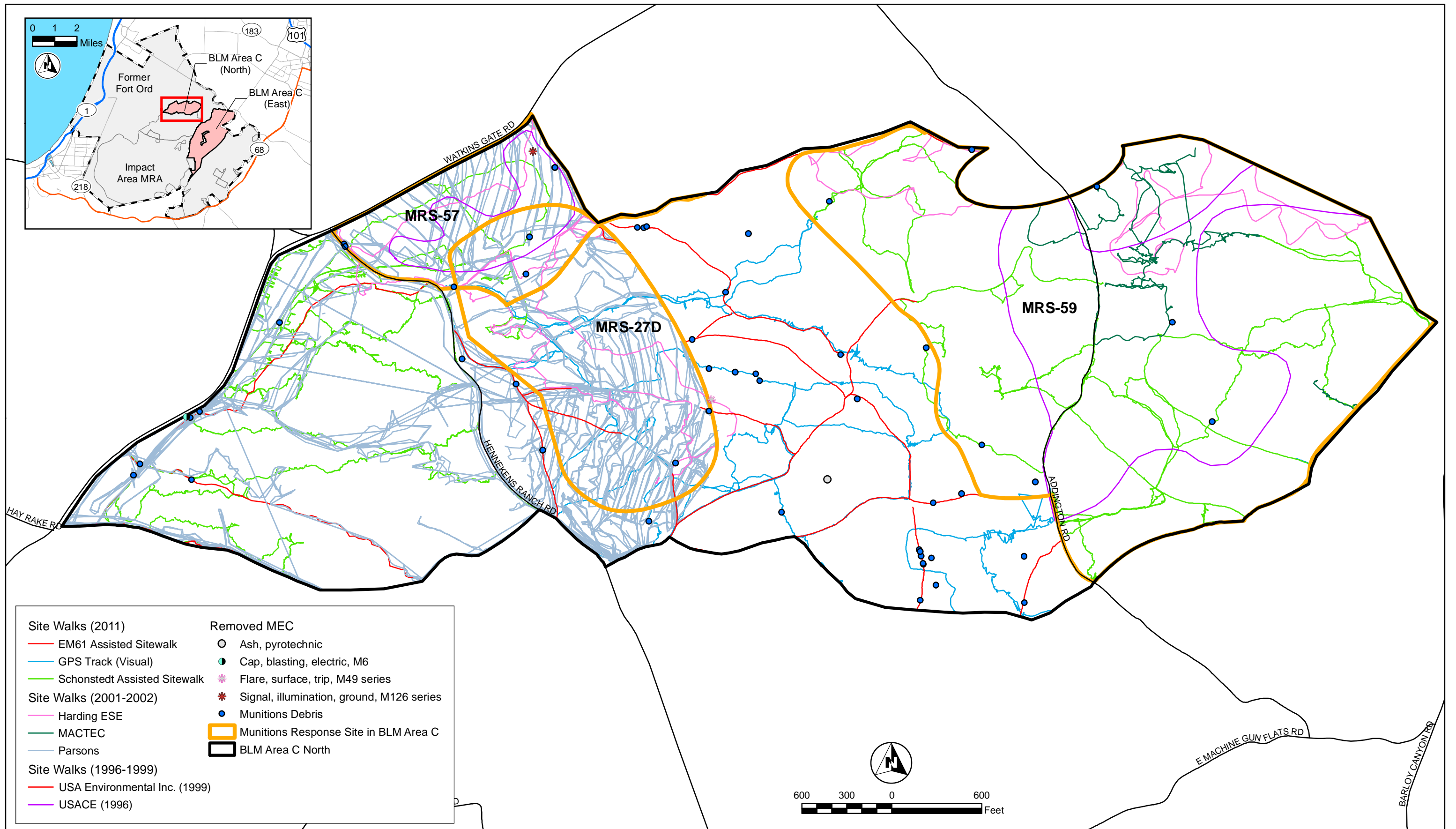
- *1945 Training Map identifies this area as part of the combat ranges.*
- *1953 and 1956 maps identify the 11th Infantry tactical training area.*
- *1957 to 1967 maps show the area was used by the 3rd Brigade.*
- *1978 to 1987 maps show MRS-27D as one of 25 training sites throughout Fort Ord.*
- *MRS-57 was identified in interviews as part of the “K1” area.*
- *Portions of MRS-59 were identified as an “NCOA” training area, a small bore range fan, part of the “Impact Area – Firing Ranges”, and in interviews as part of the “K10” area.*

BLM Area C East History

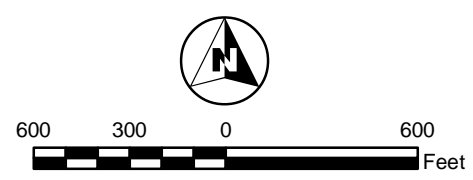
- *MRS-14B and MRS-14E are parts of Site 14 which was used for subcaliber artillery and mortar practice.*
- *MRSs -27K, -27L, -27M, -27O, -27P, -27Q, -27T, -27V, and -27W were part of the 25 training sites throughout Fort Ord. Other uses overlapped these MRSs prior to mid-1970s.*
- *MRS-60 was part of a field expedient area, aviation training area, and light vehicle training area. Interviews identified the area as a target area for hand and rifle grenades and shoulder-launched projectiles.*
- *MRS-64 was used as a Vietnam village. Interviews identified that small arms and rifle grenades were fired into the cliffs.*
- *MRS-65 was a Demonstration Area in 1945. Interviews identified shoulder-launched projectiles and rifle grenades were fired from the area.*

BLM Area C Munition Responses – *BLM Area C North*

Areas included	Activities Performed	Contractor
MRS-57 and MRS-59	Site walks	USACE
MRS-27D and areas outside of MRS boundaries	Site walks	USA
Trails, paths, and accessible areas in BLM Areas East of Parker Flats	Visual surface removal	Parsons
MRS-27D, MRS-57, and MRS-59	Basewide Range Assessment site reconnaissance	Harding ESE/ MACTEC
All	Site Assessment visual and instrument-aided mapping	Shaw



- | | |
|---------------------------------|---|
| Site Walks (2011) | Removed MEC |
| — EM61 Assisted Sitewalk | ○ Ash, pyrotechnic |
| — GPS Track (Visual) | ● Cap, blasting, electric, M6 |
| — Schonstedt Assisted Sitewalk | ✱ Flare, surface, trip, M49 series |
| Site Walks (2001-2002) | ✱ Signal, illumination, ground, M126 series |
| — Harding ESE | ● Munitions Debris |
| — MACTEC | ▭ Munitions Response Site in BLM Area C |
| — Parsons | ▭ BLM Area C North |
| Site Walks (1996-1999) | |
| — USA Environmental Inc. (1999) | |
| — USACE (1996) | |

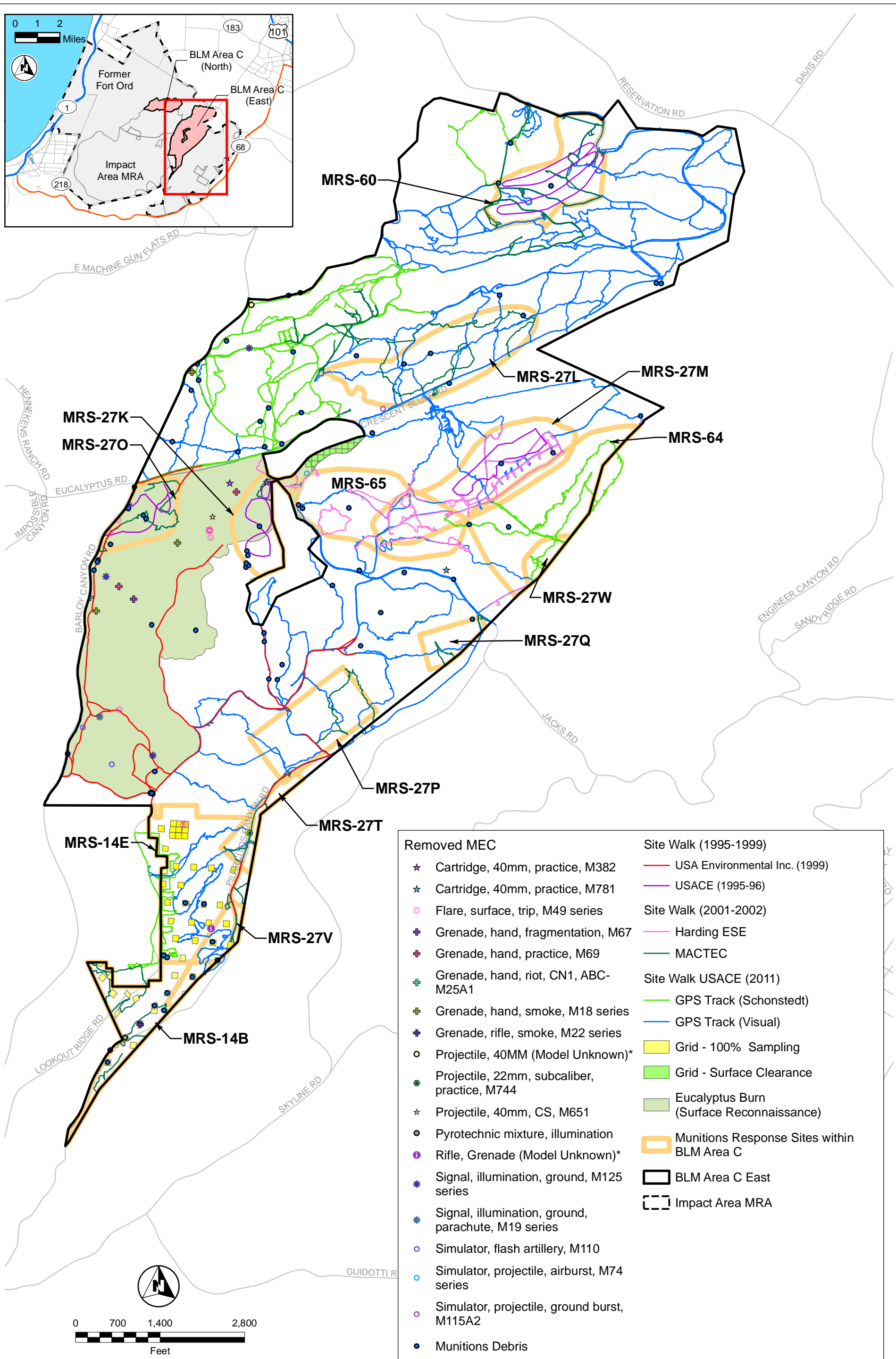


Track 1 Plug-In Approval Memorandum BLM Area C
Former Fort Ord, California

Figure 17
BLM Area C North
Investigation Results

BLM Area C Munition Responses – *BLM Area C East*

Areas included	Activities Performed	Contractor
MRS-27M and MRS-60	Site walks	USACE
MRS-14B and MRS-14E	MEC sampling and removal	UXB
MRS-27O, MRS-27T, MRS-14E, surface removal along Jacks Road, and site walks in areas outside of MRS boundaries	MEC sampling and removal	USA
Eucalyptus Fire Area	MEC removal action and surface reconnaissance	Shaw
MRS-27K, -27L, -27M, -27P, -27O, -27Q, MRS-60, MRS-65, and portions of MRS-14B	Basewide Range Assessment site reconnaissance	Harding ESE/ MACTEC
All	Site Assessment visual and instrument-aided mapping	Shaw



Track 1 Plug-In Approval Memorandum BLM Area C
Former Fort Ord, California

Figure 18
BLM Area C East
Investigation Results

BLM Area C Conclusions – *Types of Training*

Based on the literature review, site assessment, and site sampling and removal results, the site appears to have been used since the Army acquired the property in 1917 until base closure in 1994 for:

- general training and maneuvers,
- bivouac training,
- practice rifle grenade training,
- practice hand grenade training,
- aviation training,
- training using simulators, small arms and machine gun training,
- light vehicle and basic driving,
- tactical training,
- mechanic training,
- engineer training,
- combat range training, and
- a HUMRO test area.

*Certain training identified during interviews during the ASR and the Revised ASR were **not** substantiated by site assessment and sampling conducted at the site – shoulder-launched projectile training and 7- or 8-inch naval gun projectile training.*

BLM Area C Conclusions – *Types of Munitions*

Based on the literature review, site assessment, and site sampling and removal results, the following MEC items were identified within BLM Area C:

- Cap, blasting, electric, M6
- Cartridge, 40mm, practice (M382 and M781)
- Flare, surface, trip, M49 series
- Grenade, hand (riot, fragmentation, practice, smoke)
- Grenade, rifle (smoke)
- Projectile, 22mm, subcaliber, practice
- Projectile, 40mm, CS, M651
- Simulator, flash, artillery, M110
- Signal, illumination
- Simulator, projectile (airburst, ground burst)

Some MEC encountered do not reflect the historical use of the area or indicate a pattern of training use of these items – blasting caps, practice 40mm cartridges, and riot control items

BLM Area C Conclusions – *Summary*

- *Historical information and field investigations indicate that the BLM Area C was used for training with military munitions, but the military munitions that potentially remain as a result of that training do not pose an unacceptable risk.*
- *The military munitions items recovered during the munitions responses confirm that the types of military munitions found are simulators, pyrotechnics, practice munitions, and smoke items that are not designed to cause injury.*
- *In the unlikely event that a MEC item is found consistent with MEC items previously found within BLM Area C, it is not expected that it would function through casual contact (i.e., inadvertent and unintentional contact).*

BLM Area C Recommendations

- *BLM Area C meets the Track 1, Category 3 criteria and No Further Action for MEC is recommended.*
- *In the interest of safety, reasonable and prudent precautions should be taken when conducting intrusive operations at this site.*
 - *Personnel involved in intrusive operations at the former Fort Ord are encouraged, where not required, to attend the Army's munitions recognition and safety training.*
 - *In accordance with the Track 1 ROD, trained personnel will contact an appropriate local law enforcement agency if a potential MEC item is encountered.*
- *In the future, should any military munitions-related item be found at BLM Area C, the Army will take an appropriate immediate action (i.e., removing the found item, recording the incident), and within 90 days of the discovery, submit a plan for appropriate follow-on action to EPA and DTSC for consultation, pursuant to Section 7.7(b) of the Fort Ord FFA.*

BLM Area C Approval Memorandum Current Schedule

