



# MMRP Update

DATE

September 21, 2013

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

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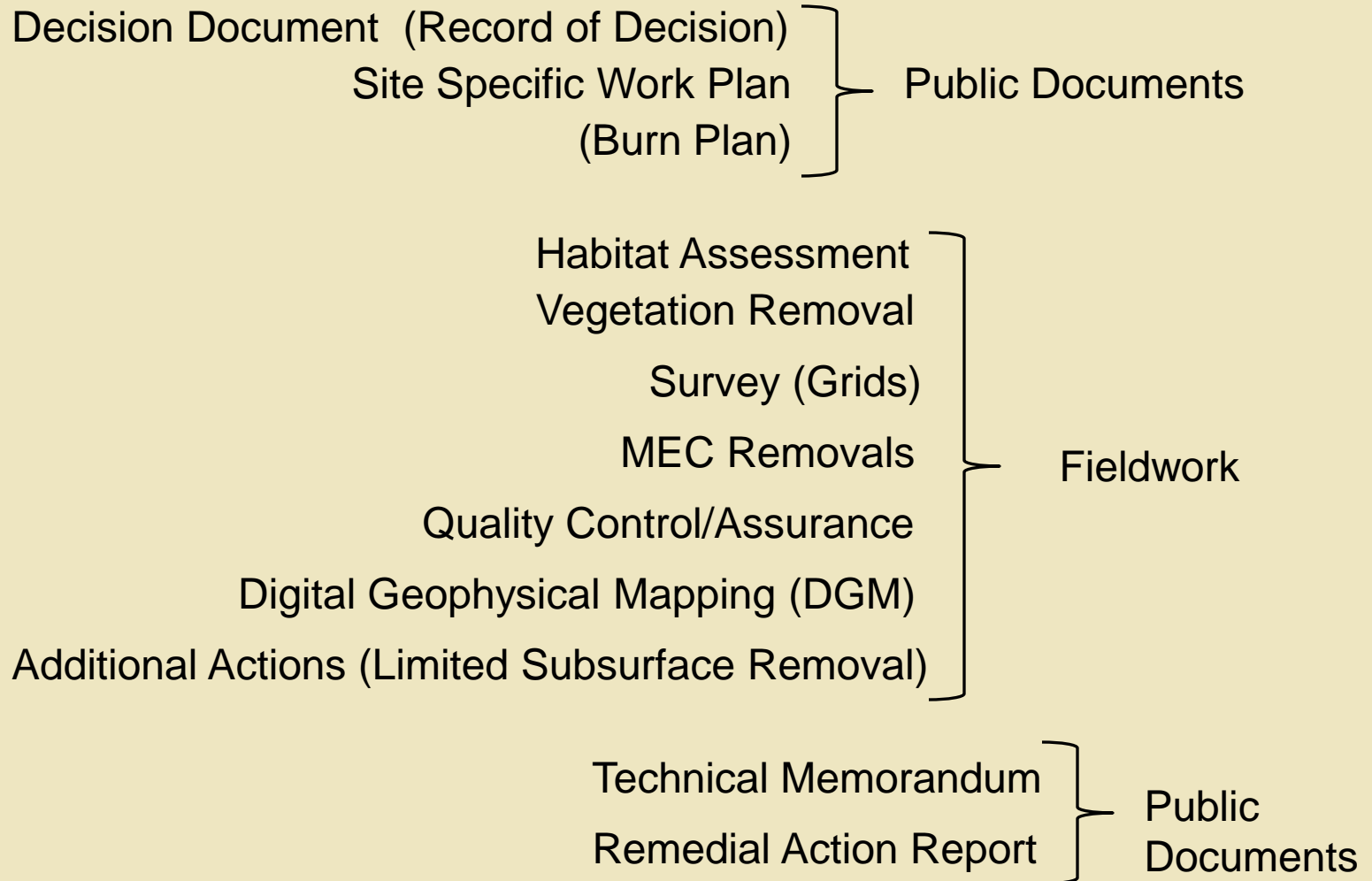
## Mission

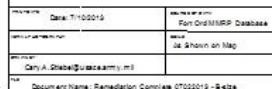
To effectively reduce the threat to public safety by securing dangerous areas and removing hazardous military munitions on the former Fort Ord to a level suitable for reuse.

## Objectives

- Locate potential hazardous military munitions areas, assess the hazard, and secure those areas as necessary (Munitions Response Sites (MRS))
- Develop and implement appropriate response actions habitat assessment, vegetation removal, geophysical investigation, military munitions of concern (MEC) removal, quality control, quality assurance, documentation, and monitoring.
- Provide public and technical MEC safety education to the public. Inform the community so people area aware of the potential hazards.

# Track 3 MEC Removal Process





# Impact Area From Orion Overlook

## The Story of Units 4/11/12

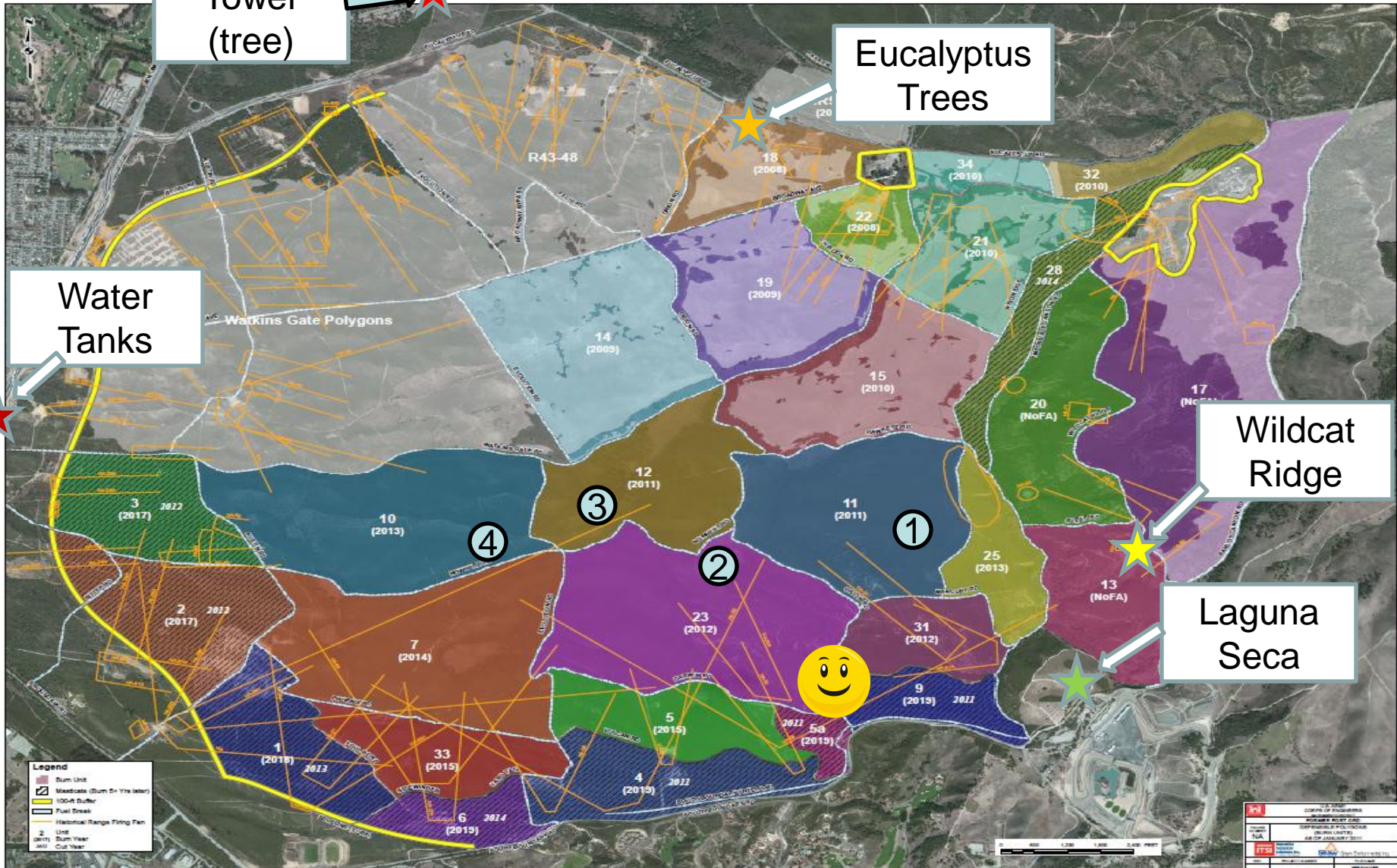
Cellphone  
Tower  
(tree)

Eucalyptus  
Trees

Water  
Tanks

Wildcat  
Ridge

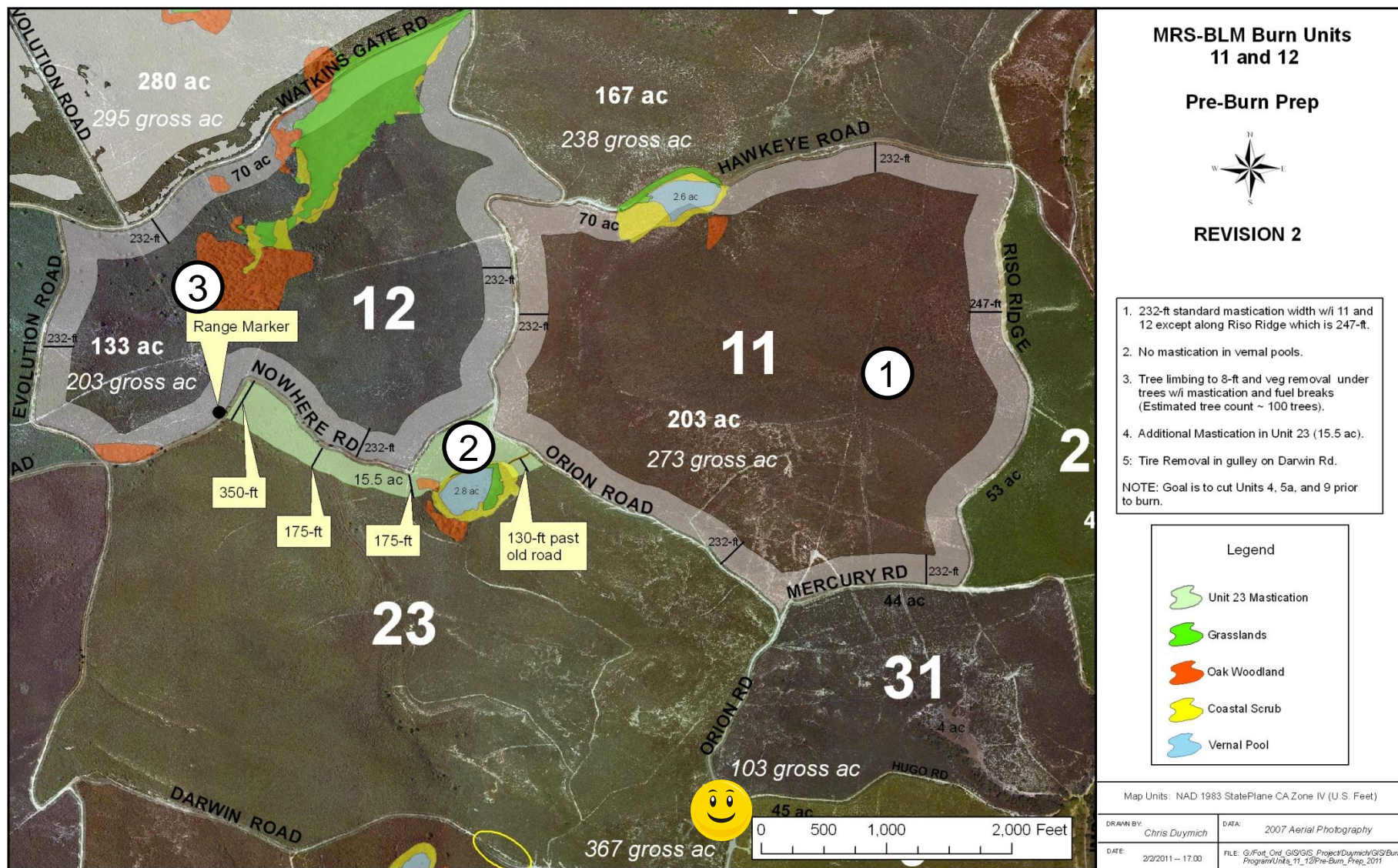
Laguna  
Seca





# Ranges 11/12

## Containment Lines



# Heavy Artillery Unexploded Ordnance Surface Unit 12



# Ranges 4/11/12 Vegetation Removal

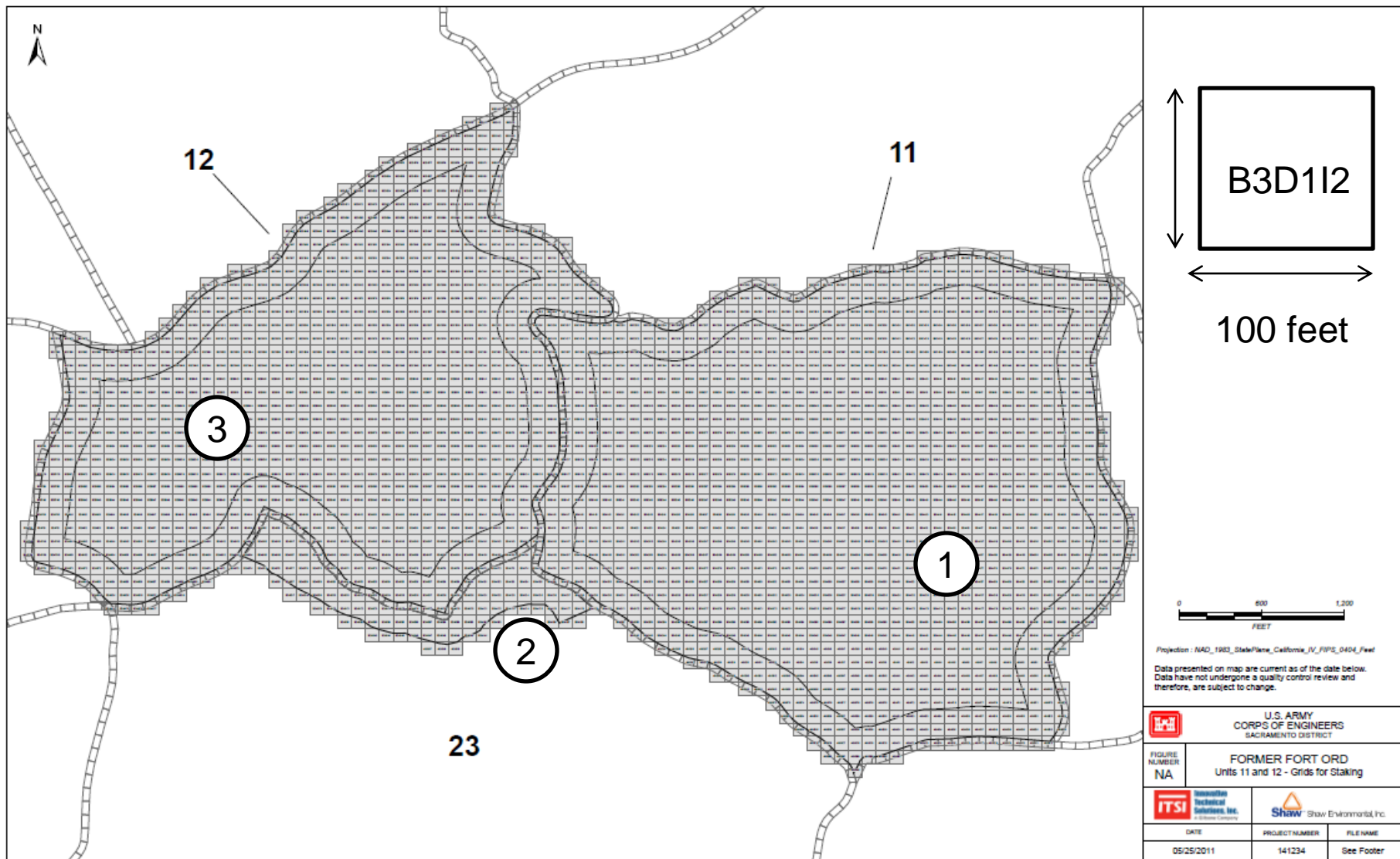


Prescribed Burning

Mechanical Cutting



# 10 Ranges 11/12 Survey Grid System



# Quality Control (QC) (field)

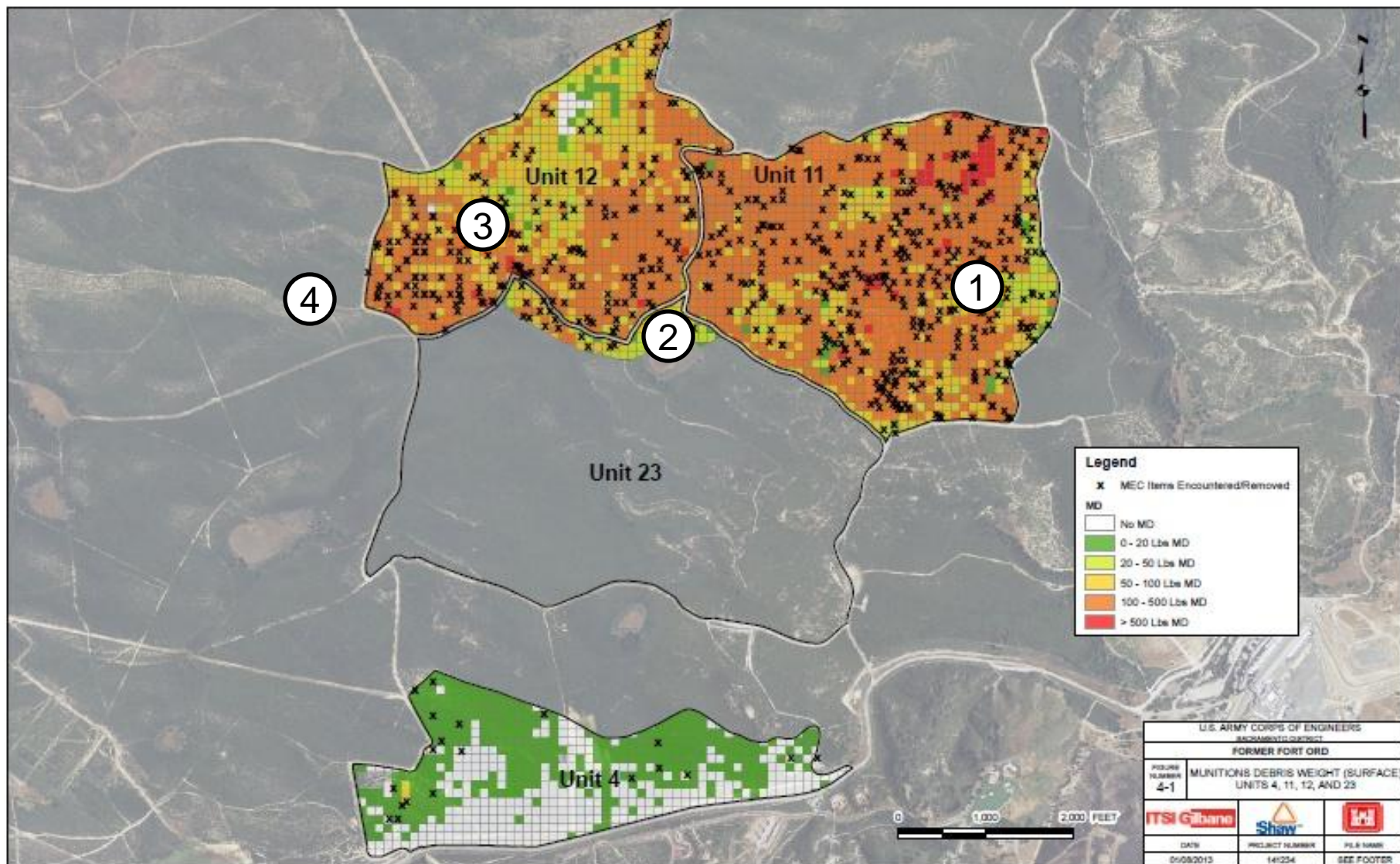


# Analog Detection and Surface MEC Removal (example)



# Units 4/11/12 Surface Removal Results

13



# Digital Mapping (example)



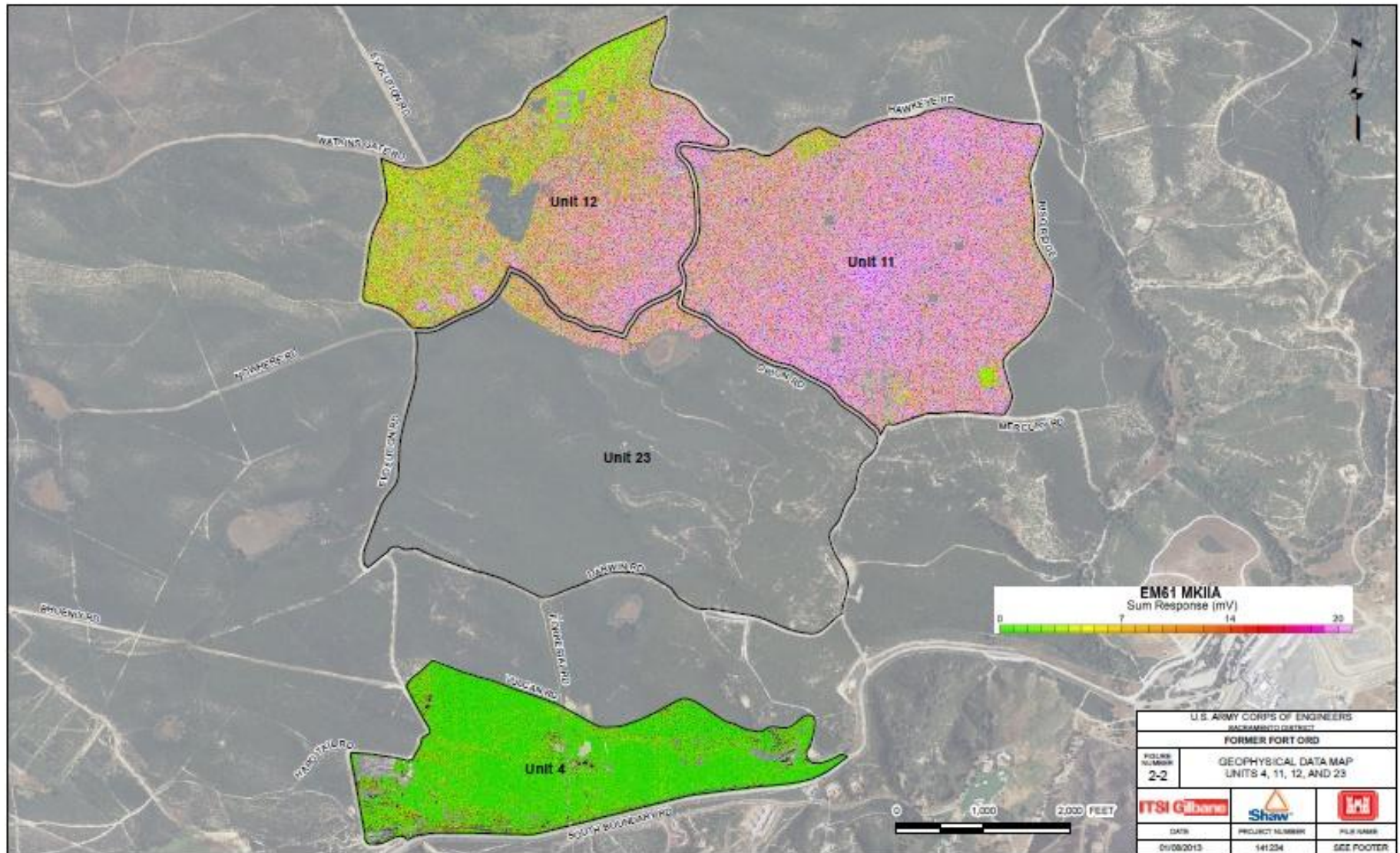
Towed  
Digital  
Geophysical  
Mapping (DGM)

Manual  
Digital  
Geophysical  
Mapping (DGM)



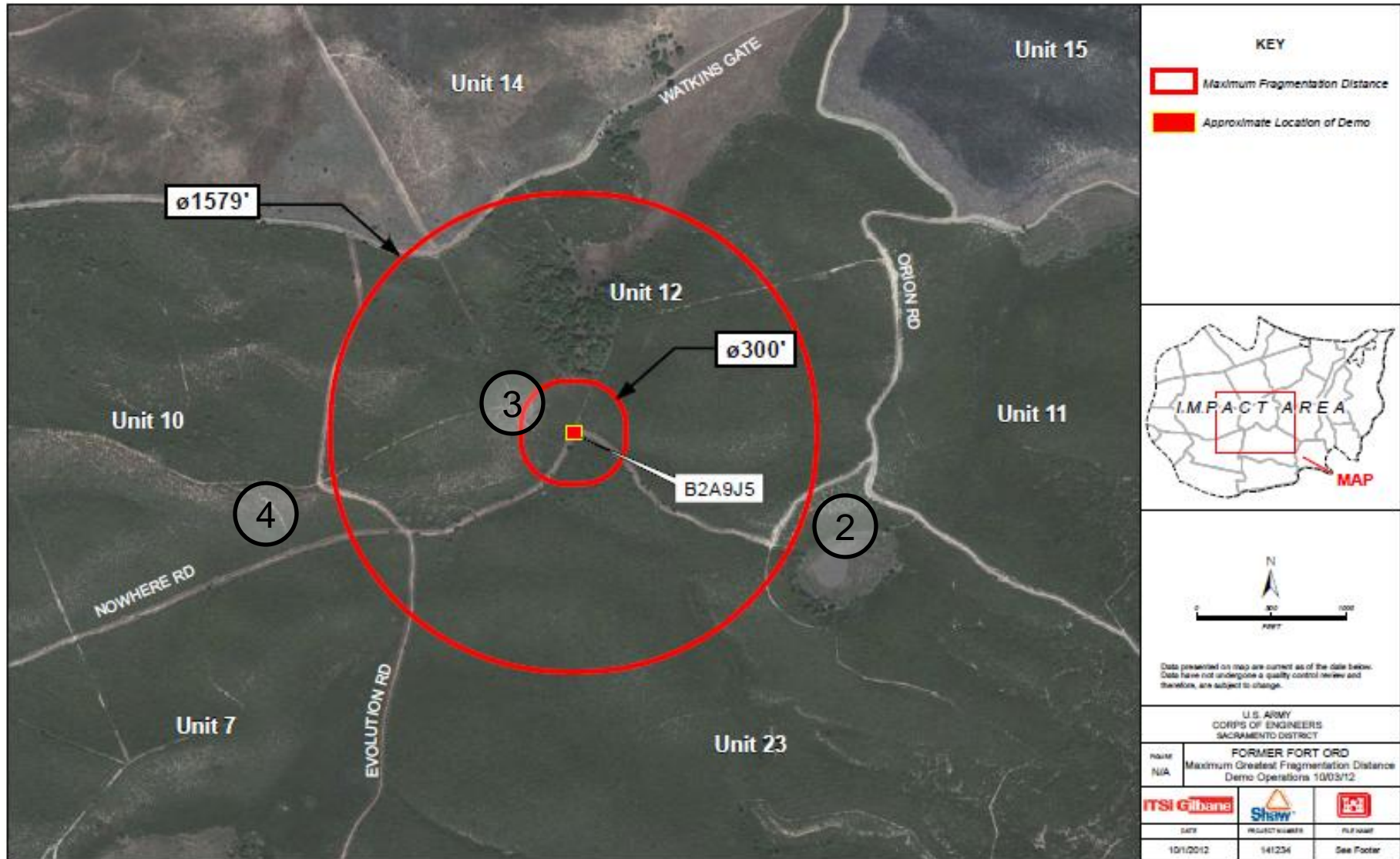
# Ranges 11/12 DGM (data)

15



# Ranges 11/12 Exclusion Zones (example)

16



# Detonation Unit 12

17

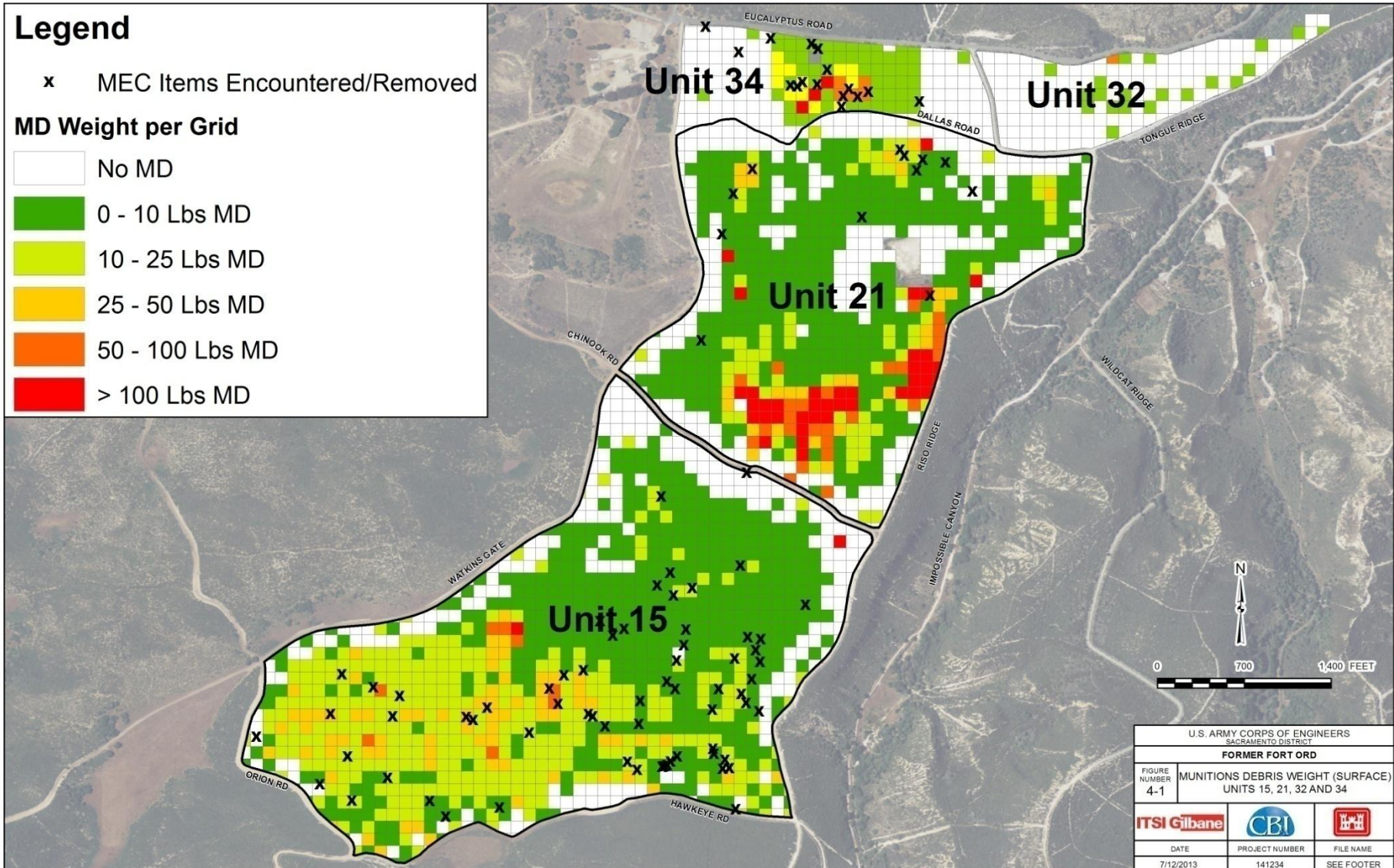


Other munitions  
cleanup stuff



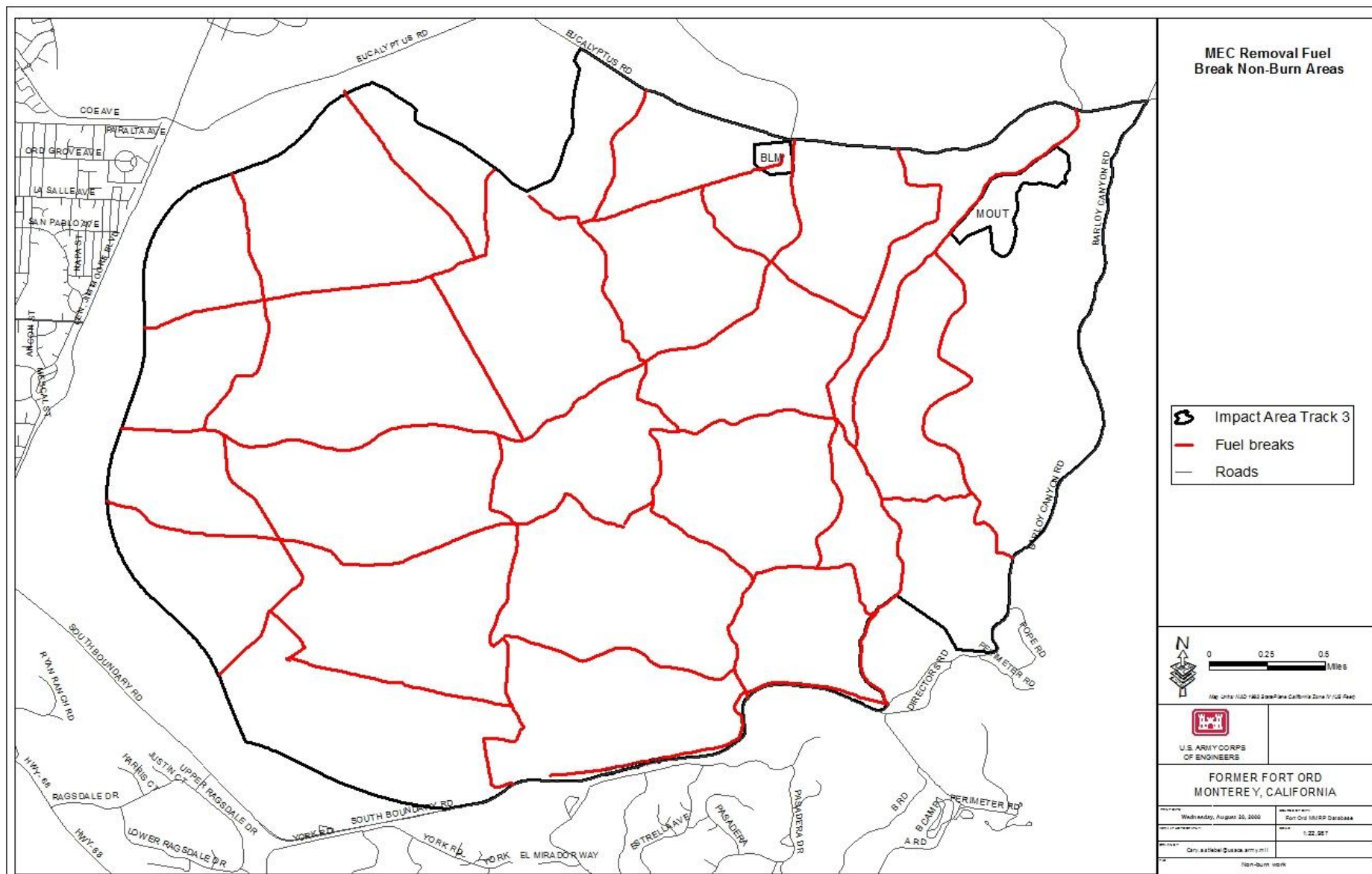


# MEC Removal- Units 15/21/32/34



# MEC Removal - Non-Burn Areas

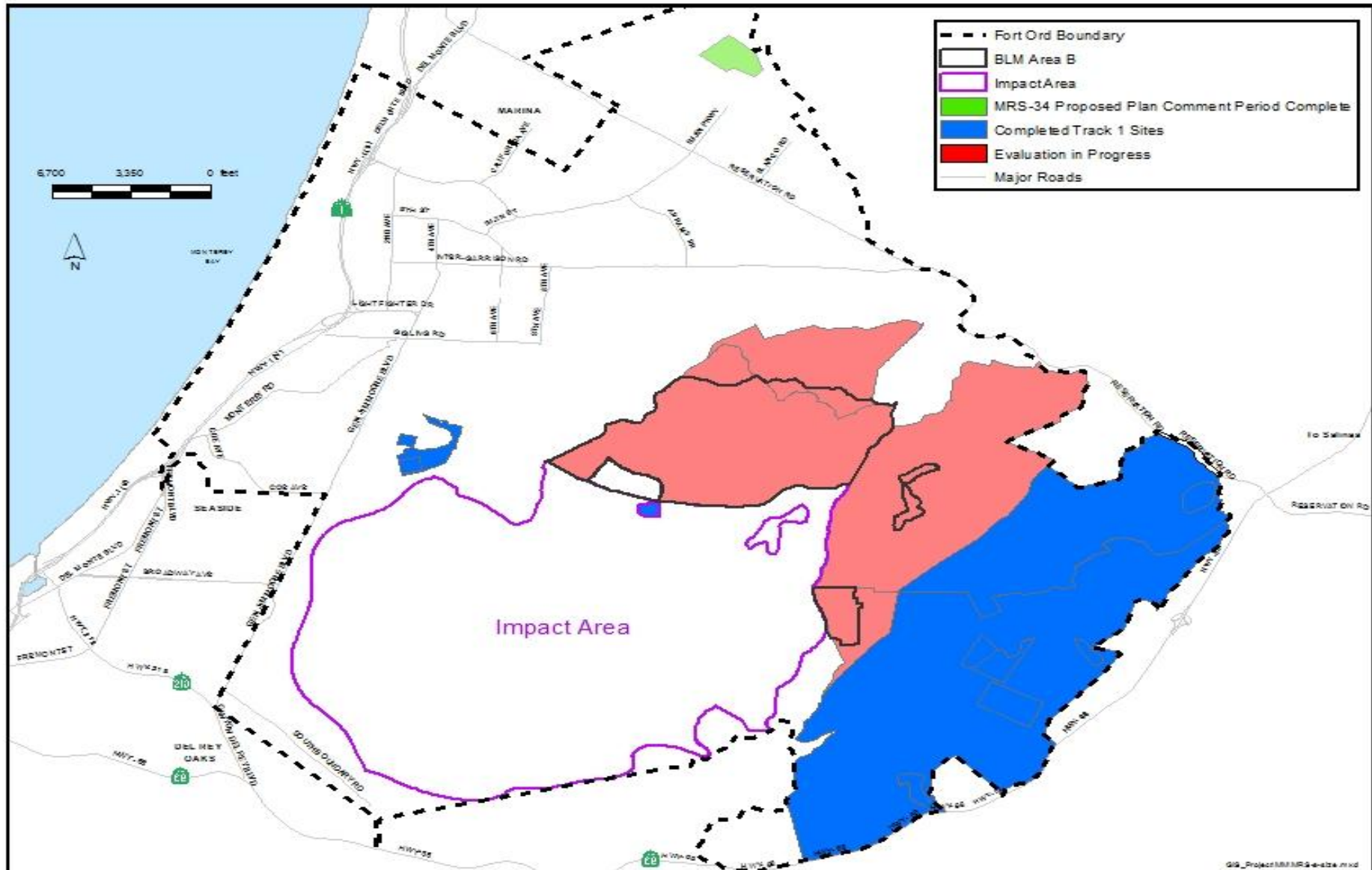
## Fuel Breaks



# MEC Removal - Non-Burn Areas



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



# Documents For Recent MMRP Work

<b>Document</b>	<b>Version</b>	<b>Date</b>
<b>MRS-BLM Units 15/21/32 and 34</b>		
• Remedial Investigation/Feasibility Study (TK3)	Final	June, 2007
• Record of Decision	Final	May 2008
• Prescribed Burn Plan	Final	June, 2010
• Site Specific Work Plan	Final	July, 2010
• Technical Memorandum (Units 32/34)	Final	May, 2011
• Technical Memorandum (Units 51/12)	Final	August, 2012
• Remedial Action Report	Final	June, 2013
<b>MRS-BLM Units 4/5A/11/12</b>		
• Remedial Investigation/Feasibility Study (TK3)	Final	June, 2007
• Record of Decision (TK3)	Final	May, 2008
• Prescribed Burn Plan (Units 11/12)	Final	August, 2011
• Site Specific Work Plan	Final	September 2011
• Technical Memorandum (Units 4/11/12)	Final	August, 2013
• Remedial Action Report (Units 4/11/12)	Draft	October, 2013 (pending)
<b>MRS-BLM Units 6/7/10</b>		
• Remedial Investigation/Feasibility Study (TK3)	Final	June, 2007
• Record of Decision (TK3)	Final	May 2008
• Prescribed Burn Plan Units 7/10	Final	April, 2013 (updated)
• Site Specific Work Plan	Final	July, 2012
• Technical Memorandum	Draft	TBD
• Remedial Action Report	Draft	TBD

# WEBSITE (fortordcleanup.com)

Community Involvement • Cleanup Programs • Maps • Fort Ord Primer • Links • Contact • About

Thursday, July 11, 2013

## Contact

Call [800-852-9699](tel:800-852-9699) for updates on the Army's cleanup activities. [Report suspected military munitions](#). Sign-up for [Military Munitions Recognition and Safety Training](#).

## Event Calendar

Summary of upcoming events as posted in "[What Happens Next](#)"

## Document Review



Access [Recent Documents](#) posted for public review or view [Reference Documents](#).

## Administrative Record

The [Administrative Record](#) contains all the documents related the cleanup at the former Fort Ord. [Search](#) the Administrative Record or read more about the [Administrative Record repositories](#).

## Fort Ord Primer

Read more about [general information and background history](#), including location, climate, topography, geology,

This website is hosted by the U.S. Army to inform the community of environmental cleanup activities and the status of transfer of property at the former Fort Ord.



## Detonation Update

Posted 7/11/2013

[Click here to read about Detonations.](#)

**There are no Army detonations scheduled for today (7/11/2013).** For more information, call 1-800-852-9699.

For ESCA detonation updates, please visit [www.fora-esca-rp.com](http://www.fora-esca-rp.com) or call 831-883-3506.

## Community Involvement Workshop/Guided Bus Tours of Cleanup Sites: Postponed

Posted 7/1/2013

This has been prepared to notify you that our July 13, 2013, Fort Ord Cleanup Community Involvement Mobile Workshop has been postponed due to directed furlough.

We will reschedule this event sometime after September 30, 2013 or as soon as the furlough ends. If you are attending the Monterey County Fair on August 30, please stop by our information booth.

## Prescribed Burns and Direct Notification Program

Posted 6/13/2013

The Fort Ord prescribed burn season begins July 1, 2013; However, we will not consider mobilizing for a prescribed burn until we have all the proper conditions. One of the key conditions is the weather. We typically see these very specific weather conditions in

## Prescribed Burns

Read the latest information about the [prescribed burn program](#) and [Direct Notification](#).

## Property Transfer and ESCA



Information, [property parcels search](#), [ESCA link](#), and [Reuse Maps](#) related to the

closure and reuse of federal real estate at the former Fort Ord.

## Community Involvement

See how you can get involved! Learn more about [public surveys](#), [meetings](#), attending tours, reading the Community Relations Plan and [factsheets](#), and [more...](#)

## Cleanup Programs



Read about the various on-going cleanup programs,

including the [Military Munitions Response Program](#) and the various [Superfund Actions](#).

# Points of Contact



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

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## **U. S. Environmental Protection Agency**

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