WHAT'S HAPPENING TONIGHT



- Introductions and Agenda Review
- Groups 2 & 3 Land Use Controls Remedy Implementation
- Draft Group 4 RI/FS Future East Garrison Munitions Response Area (MRA)
- ESCA Program Update and Document Schedule
- ESCA Community Involvement Program
- Questions and Conclusion









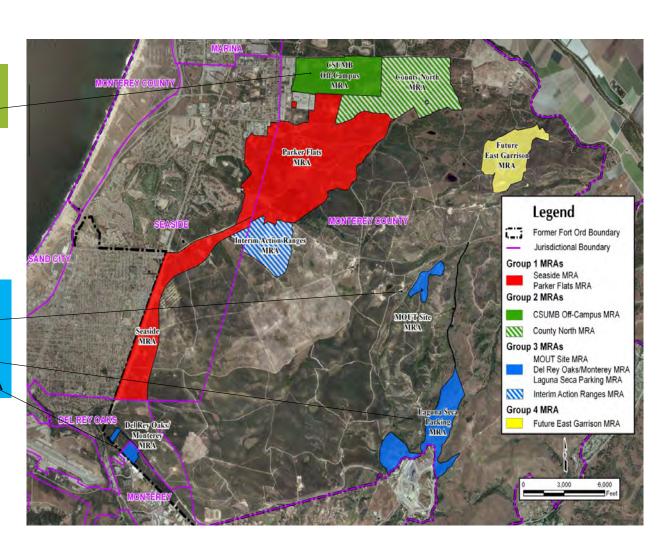
ESCA PROPERTY ORIENTATION

Group 2

• CSUMB Off-Campus MRA

Group 3

- MOUT Site MRA
- Laguna Seca Parking MRA
- Del Rey Oaks / Monterey MRA







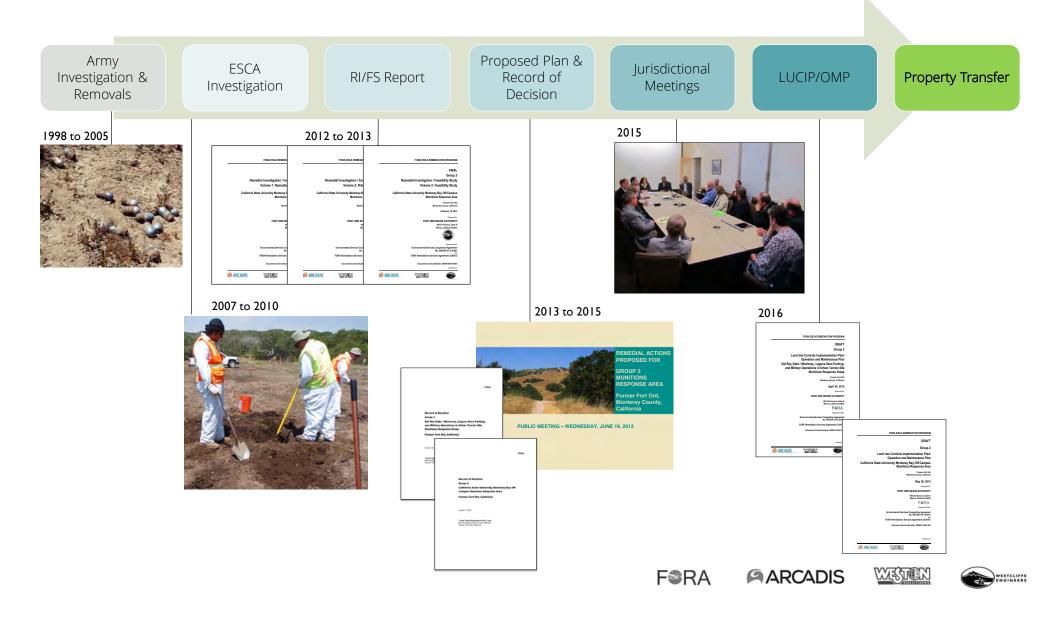






LAND USE CONTROLS REMEDY TIMELINE: GROUP 2 & GROUP 3

PATHWAY TO PROPERTY TRANSFER





LUC FINAL REMEDY DESCRIPTION

- LUCs selected as final remedy in Group 2 & 3 RODs
- The LUCs remedy:
 - 1. MEC recognition and safety training for those conducting ground-disturbing or intrusive activities on the property
 - 2. Construction support by UXO-qualified personnel for ground-disturbing or intrusive activities
 - 3. Restrictions prohibiting residential use in the proposed future non-residential reuse areas
- Long Term Management Measures (LTMM) will also be implemented including:
 - Existing land use restrictions
 - Annual monitoring and reporting
 - Five-year review reporting











MEC RECOGNITION & SAFETY TRAINING

Training Requirements

- 3Rs Explosives Safety Guide and Army's Safety Alert required to be provided to anyone conducting ground-disturbing or intrusive activities
- MEC Recognition & Safety Training required as part of construction support program for projects disturbing 10 cubicyards or more soil

Training Resources

- Training emphasizes 3Rs Recognize, Retreat, and Report
- Fort Ord Military Munitions 3Rs Explosives Safety Guide
- Army's MEC Safety Alert pamphlet
- Web-based eLearning platform training resources



















LEVELS OF CONSTRUCTION SUPPORT

On-call Construction Support

- UXO personnel placed on standby to assist if suspected munitions item encountered
- Can respond from offsite when called or be on location and available to provide required construction support
- Law enforcement responds to secure site and requests military EOD response to address any MEC items





On-site Construction Support or Anomaly Avoidance

- UXO personnel conduct MEC clearances to remove explosive hazards in the construction footprint prior to ground disturbing or intrusive construction activities
- UXO contractor addresses MEC items encountered under approved Explosive Safety Submission (ESS)
- Anomaly avoidance may also be used to fulfill the requirements for on-site construction support, if included in an approved construction support plan.







- MEC Recognition and Safety Training
 - Monitor implementation of training to ensure FORA compliance with LUC remedy
- Construction Support
 - Monitor FORA and Jurisdictions implementation and enforcement of construction support requirements
 - Participate with DTSC in review and approval of construction support plans
 - Coordinate Army and DDESB review and approval of Explosive Safety Submittals
 - Participate, in consultation with EPA and DTSC, in MEC find assessments
- Residential Use Restriction (RUR)
 - Monitor compliance with the RUR
- Annual LUC Monitoring and Reporting
 - Review annual LUC monitoring reports to verify compliance with LUC remedy
- CERCLA Five-Year Review
 - Conduct five-year reviews to evaluate protectiveness of LUC remedy









FORT ORD REUSE AUTHORITY

- MEC Recognition and Safety Training
 - Monitor implementation of training requirements
 - Maintain MEC recognition and safety training materials and website
- Construction Support
 - Monitor implementation of construction support
 - Notification of MEC finds to Army, EPA, DTSC
 - Assessment of MEC finds, including additional investigations or other actions necessary as a result of MEC finds
- RUR
 - Monitor compliance with RURs in federal deeds and CRUPs
 - Ensure RURs remain in property deeds
- Annual LUC Monitoring and Reporting
 - Compile annual LUC status reports and submit to Army, EPA, DTSC









LOCAL JURISDICTIONS

MEC Recognition and Safety Training

 Annual notification to property owners of training requirements, including delivery of 3Rs Explosives Safety Guide to property owner of record

Construction Support

- Monitor and enforce construction support requirements for excavation permits as required under the digging and excavation ordinance
- Consultation with Army, EPA, DTSC on construction support requirements prior to issuing excavation permits
- Ensure Construction Support After Action Reports are completed and distributed to FORA, Army, EPA, DTSC
- Annual monitoring and reporting of construction support activities

RUR

Maintain RURs in property deeds & monitor compliance

Annual LUC Monitoring and Reporting

Conduct annual LUC inspections and monitoring and submit to FORA









PROPERTY RECEIPENT / LAND OWNER

- MEC Recognition and Safety Training
 - Ensure property users are aware of and comply with training requirements
 - Annually deliver copy of 3Rs Explosives Safety Guide to site workers
 - Document and maintain records of compliance with training requirements
- Construction Support
 - Comply with excavation permitting and construction support requirements
 - Retain UXO contractor to provide construction support services
- RUR
 - Comply with RUR during use of the property
 - Maintain RUR through future property transfer deeds
- Annual LUC Monitoring and Reporting
 - Cooperate with County and Cities in conducting annual inspections of property to verify compliance with LUCs, deed restrictions, and CRUPs











RI/FS REPORT OVERVIEW

Draft Group 4 Remedial Investigation/Feasibility Report Future East Garrison MRA

Volume I Remedial Investigation

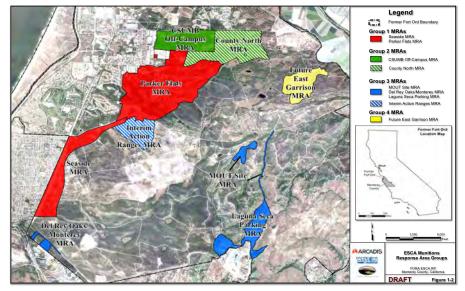
- · Background information
- · Results of remedial investigation
 - Evaluations of previous work
 - Nature and extent of military munitions
 - Conceptual Site Model

Volume 2 Risk Assessment

- Uses Fort Ord Risk Assessment Protocol
- Assesses risk to future land users
 - Evaluates each reuse area
 - Considers multiple receptors for each reuse area
 - Overall risk score expressed in letters(A = lowest, E = highest)

Volume 3 Feasibility Study

- Defines Remedial Action Objectives
- Develops remedial alternatives
- Evaluates and compares alternatives
- Identifies Army's preferred remedial alternative











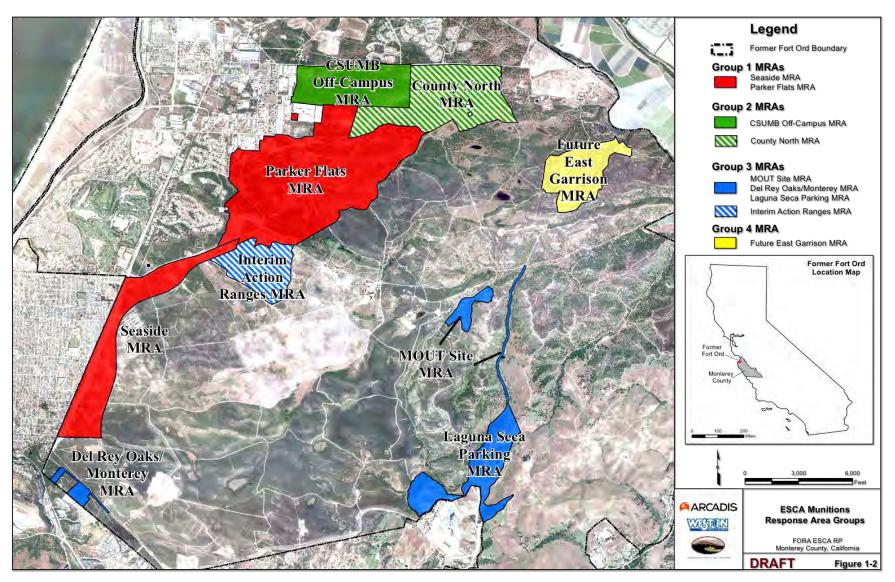








GROUP 4 MUNITIONS RESPONSE AREA







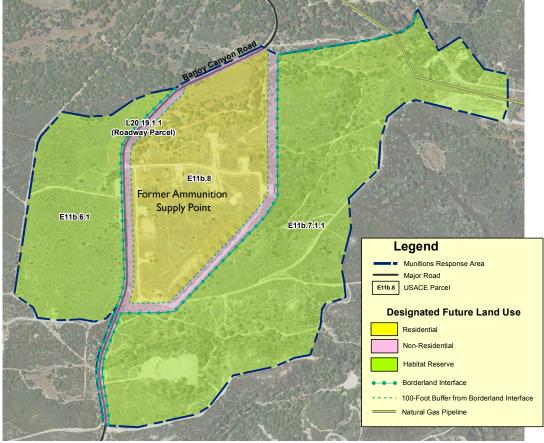






GROUP 4 RI/FS REPORT: Future East Garrison MRA

SITE CHARACTERISTICS





- Future East Garrison MRA Acreage
 - 252 acres
- Former Ammunition Supply Point
- Previous Military Training
 - Pre-WWII training
 - Rifle grenade training
 - Hand grenade training
 - Troop training and maneuvers
 - Engineering and demolition operations training
- Planned Reuses
 - ☐ Future residential
 - ☐ Development (non-residential)
 - ☐ Habitat reserve









GROUP 4 RI/FS REPORT: Future East Garrison MRA

MUNITIONS RESPONSE SITES

MRS-11

- Demolition operations and training area
- Hand grenade training area

MRS-23

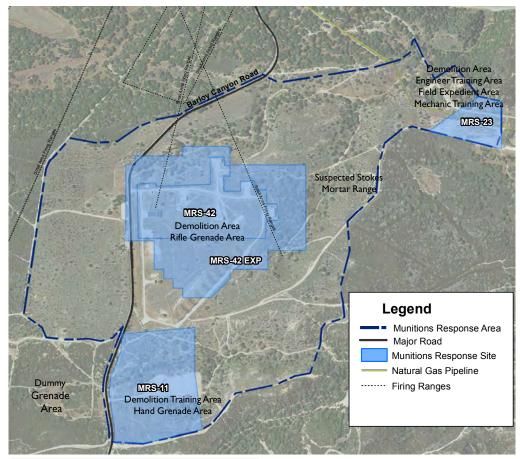
- Demolition operations and training area
- Engineer training area
- Field expedient area
- Mechanic training area

MRS-42 and MRS-42 EXP

- Rifle grenade training area
- Demolition operations and training area

General Vicinity

- Suspected Stokes mortar range in eastern portion of the MRA
- Safety fans for small arms ranges from former East Garrison to the north
- Dummy grenade training area to the west







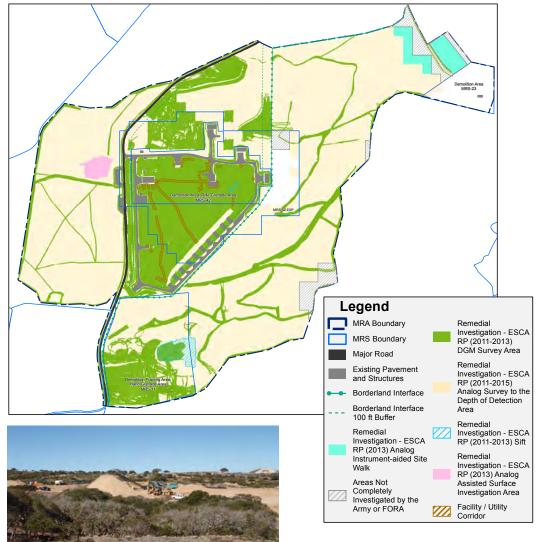








INVESTIGATION & REMOVAL ACTIONS



MEC = Munitions and explosives of concern

MEC investigations and removal actions conducted across entire MRA

- Residential and non-residential development areas
- Removal actions to depth-of-detection completed for MRS-42 and MRS-42 EXP
- Investigations to depth-of-detection completed in remaining residential and non-residential development areas
- Habitat Reserve Areas
- Removal actions to depth-of-detection completed for MRS-11
- Removal action to four-foot depth completed MRS-23
- Investigation to depth-of-detection conducted in remaining habitat reserve areas

Residential Quality Assurance (RQA) Process

 RQA process and DTSC residential protocol implemented across entire proposed future residential reuse area



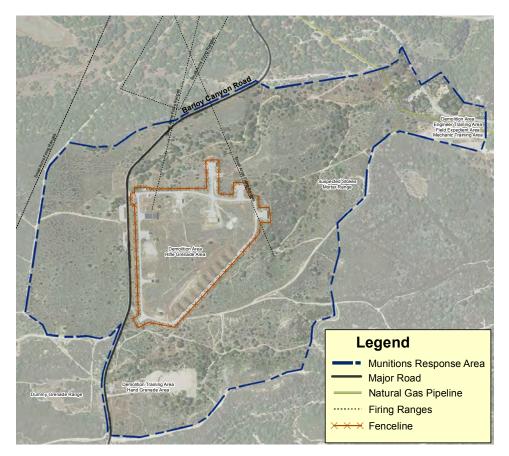








NATURE AND EXTENT OF MEC CONTAMINATION









HE = high explosive

LE = low explosive

- The majority of munitions items recovered are consistent with documented historical use
 - Pre-WWII Training
 - 3-inch practice and HE Stokes mortars
 - 37mm HE and LE projectiles
 - Rifle Grenade Training
 - Practice and HE rifle grenades
 - HE hand grenades with adapters
 - Hand Grenade Training
 - Practice and HE hand grenades
 - Troop Training and Maneuvers
 - Simulators, illumination and smoke producing signals, and flares
- Miscellaneous items not indicative of the known training were also recovered within the MRA
- Investigation and removal actions successfully detected, excavated, and recovered MEC items that may present an imminent safety hazard
- Residual MEC may remain undetected on the MRA, therefore a risk assessment and feasibility study were performed









GROUP 4 RI/FS REPORT: Future East Garrison MRA

PISK ASSESSMENT RESULTS

Reuse Area	Receptor	Overall MEC Risk Score				
		А	В	С	D	Е
		Lowest	Low	Medium	High	Highest
Residential Reuse Areas	Trespasser	✓				
	Recreational User	✓				
	Maintenance Worker	✓				
	Resident	✓				
	Construction Worker	✓				
Non-Residential Development Reuse Areas	Trespasser	✓				
	Recreational User	✓				
	Maintenance Worker	✓				
	Construction Worker	√				
Habitat Reserve Reuse Areas	Trespasser	✓				
	Recreational User	✓				
	Maintenance Worker	✓				
	Habitat Monitor	✓				

Note: Overall MEC Risk is qualitative score related to MEC Hazard Type, Accessibility Factor, and Exposure Factor











Alternative 1	No Further Action
Alternative 2	Land Use Controls
Alternative 3	Additional MEC Remediation

Notes:

• Long-Term Management Measures will also be instituted under each of the three remedial alternatives









EPA's 9 CERCLA EVALUATION CRITERIA

Threshold Criteria

- 1. Overall Protection of Human Health & the Environment
- 2. Compliance with Applicable or Relevant and Appropriate Requirements (ARAR)

Primary Balancing Criteria

- 3. Long Term Effectiveness and Permanence
- 4. Reduction of Toxicity, Mobility, or Volume through Treatment
- 5. Short Term Effectiveness
- 6. Implementability
- 7. Cost

Modifying Criteria

- 8. State Acceptance
- 9. Community Acceptance











COMPARISON OF REMEDIAL ALTERNATIVES

		Remedial Alternatives			
	EPA's 9 CERCLA Evaluation Criteria	Alternative 1 No Further Action	Alternative 2 Land Use Controls	Alternative 3 Additional MEC Remediation	
Threshold Criteria	Overall Protectiveness of Human Health and the Environment	0	•	•	
Thre	Compliance with ARARs	N/A	N/A	•	
	Short-Term Effectiveness	0	•	•	
eria	Long-Term Effectiveness	0	•	•	
	Reduction of Toxicity, Mobility, or Volume Through Treatment	0	0	•	
B B	Implementability	0	•	•	
	Cost	\$	\$\$	\$\$\$	
Modifying Criteria	State Acceptance	TBD	TBD	TBD	
Modi	Community Acceptance	TBD	TBD	TBD	

• Has high ability to meet criteria; • Has moderate ability to meet criteria; • Does not meet criteria

ARARs = Applicable or relevant and appropriate requirements TBD = To Be Determined; N/A = Not Applicable



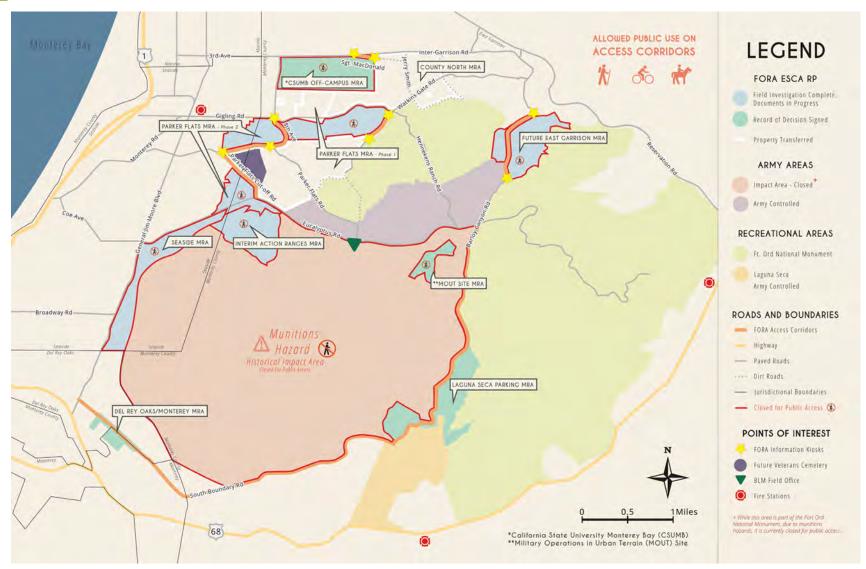






STATUS UPDATE:

FORA ESCA RP ACCESS CORRIDORS













PARKER FLATS TRAIL ACCESS

- Parker Flats MRA remains closed to the public
- Parker Flats remains closed to the public pending regulatory approval and release for public access (as depicted)
- Always check to the FORA ESCA RP website before you go out hiking or biking in the former Fort Ord for the latest public access information on ESCA properties
- FORA is diligently working to gain regulatory approval for this area. Until then, please adhere to posted signs and stay on access corridors.
- For a larger version of this map, visit our website:

http://www.foraescarp.com/#!parker-flats-trail-access/c22vv











STATUS UPDATE: ESCA REMEDIATION PROGRAM

CURRENT DOCUMENT SCHEDULE: 2016 - 2017

DOCUMENT	ISSUE DATE	COMMENTS DUE
Group 1: Draft Final Draft Seaside MRA Residential Protocol Implementation Technical Report	SEP 2016	OCT 2016
Group 1: Draft Final Parker Flats MRA Residential Protocol Implementation Technical Report	OCT 2016	NOV 2016
Group 1: Draft Final Remedial Investigation /Feasibility Study Report, Seaside and Parker Flats (Phase II) MRAs	OCT 2016	NOV 2016
Group 3: Draft Final Land Use Controls Implementation / Operation and Maintenance Plan	SEP 2016	OCT 2016
Group 2: Draft Final Land Use Controls Implementation / Operation and Maintenance Plan, CSUMB Off-Campus MRA	OCT 2016	NOV 2016
Group 4: Draft Final Future East Garrison MRA Remedial Investigation / Feasibility Study Report	JAN 2017	FEB 2017
Group 4: Future East Garrison MRA Proposed Plan	SEP 2017	OCT 2017
Interim Action Ranges MRA: Record of Decision	FEB 2017	N/A

^{*} Note: dates subject to change











OUTREACH EVENTS 2016 & 2017

Sep 16 th	Farmers Market – Monterey Peninsula College Recurs every 3rd Friday: March - October
Oct 23 rd	National Public Lands Day
Nov 23 rd	Fort Ord Users Working Group Recurs every 4th Wednesday: May/Aug/Nov
Feb 2017	Army Open House & Bus Tour
Mar 15 th 2017	ESCA RP Informal Community Workshop*
Apr 20-23 rd 2017	Sea Otter Classic
Jul 2017	Army Open House & Bus Tour

*Date Tentative







