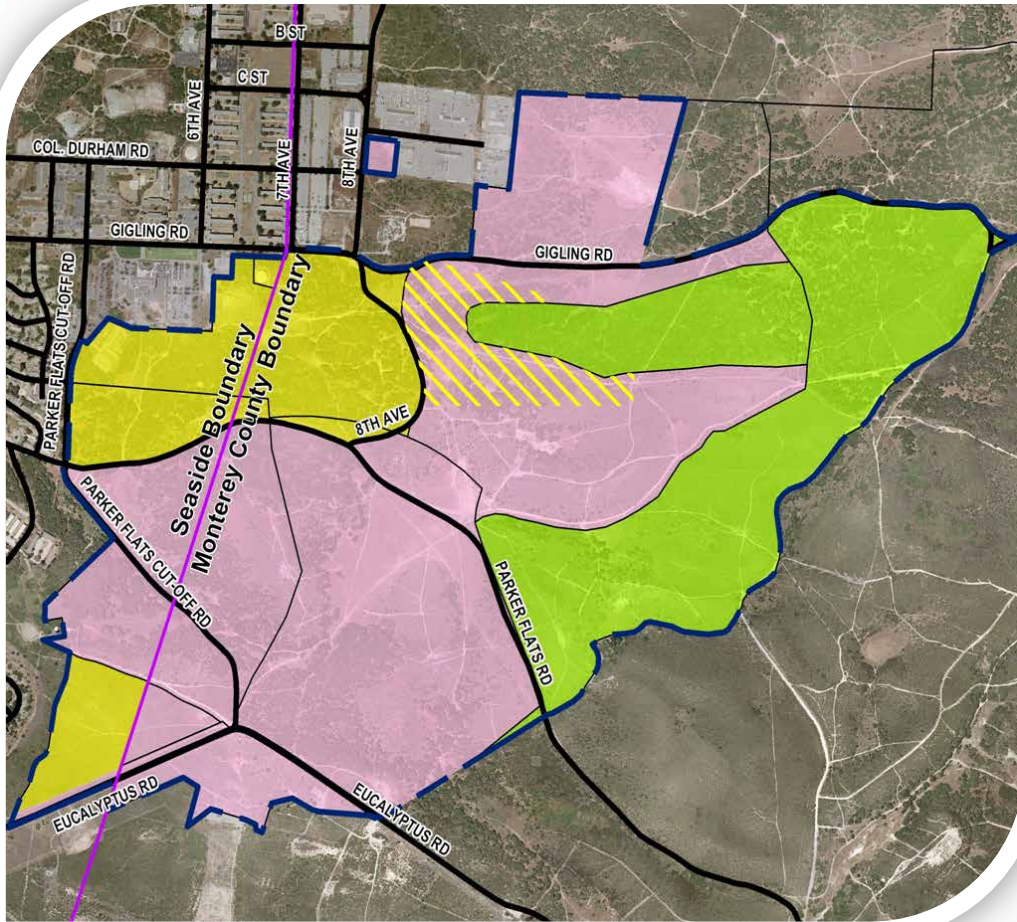


# What's Happening Tonight

- ESCA RP Update
- Parker Flats Overview and Update
- Residential Quality Assurance (RQA):
  - Process Review
  - Implementation Update
- Poster Session
- Future East Garrison
- Community Involvement in 2011

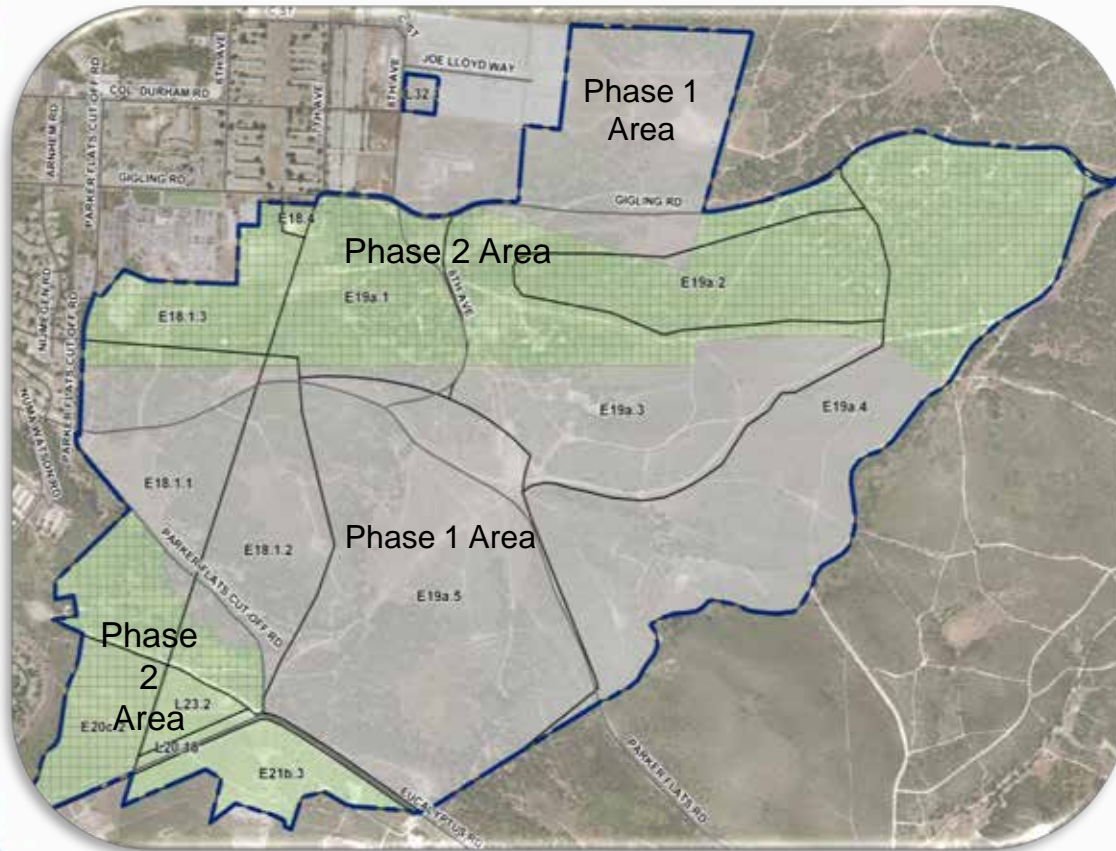
# Parker Flats Munitions Response Area (MRA)



Residential Non Residential Habitat Reserve Mixed Use

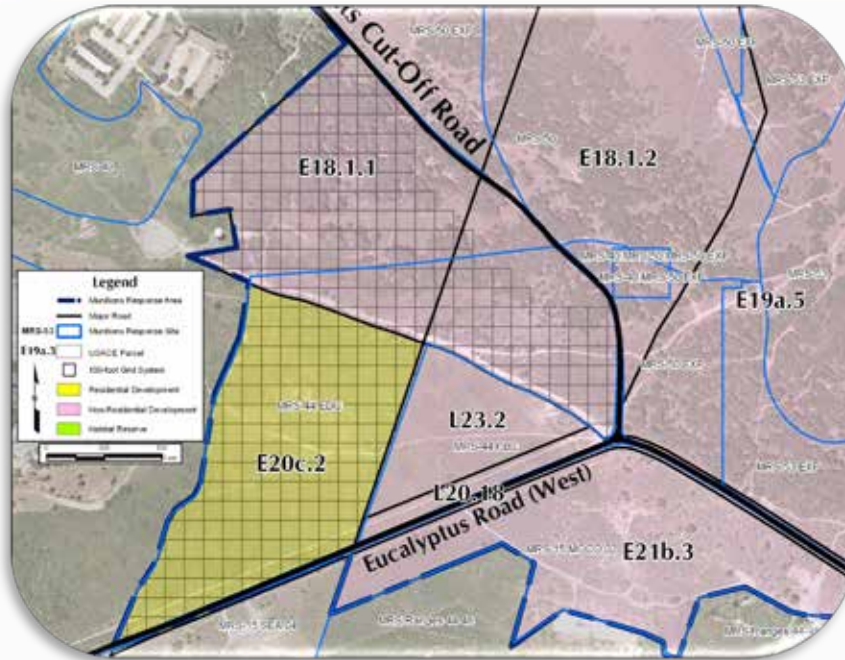
- Jurisdictions
  - City of Seaside
  - Monterey County
  - Monterey Peninsula College
- Types of Reuse
  - Residential
  - Non Residential
  - Habitat Reserve
- Proposed Reuse Projects
  - Central Coast Veterans Cemetery
  - Eastside Parkway
  - Monterey Downs Horse Park
  - MPC EVOC
- Proposed future use drives cleanup level

# Parker Flats MRA - Status

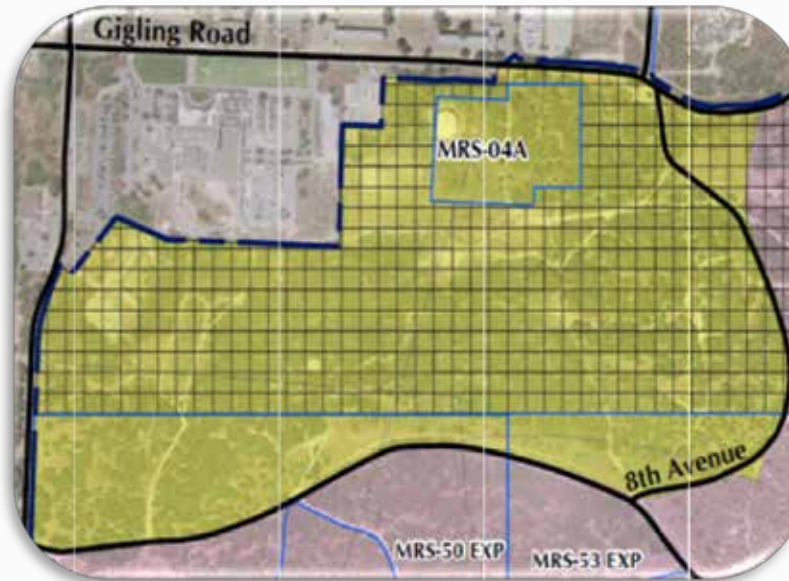


- Historical Military Use
  - Weapons and troop training
  - Overnight bivouac training area
- Munitions Cleanup
  - Army Phase 1 Completed
  - ESCA Phase 2
    - Investigation and removal completed
    - RI/FS Report in progress
- Phase 2 Highlights
  - 1,043 MEC items recovered
  - 4,073 lbs of munitions debris
  - 173,096 lbs of cultural debris
- Expedited transfer of Veterans Cemetery parcel

# Parker Flats MRA – Residential Areas



# Parker Flats MRA – Residential Areas



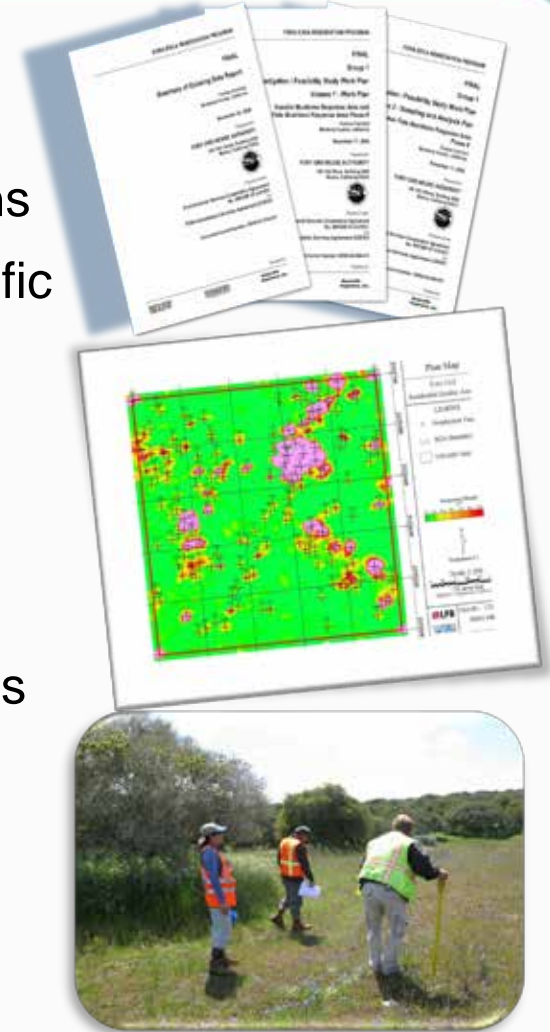
# Residential Quality Assurance (RQA)

- Why RQA
  - Confirms prior actions and provides additional assurance that sites are protective for residential reuse
  - Increases regulatory confidence toward residential reuse approval
- RQA Objectives
  - Increases confidence in MEC removal to meet remediation goals
  - Demonstrates MEC remediation effectiveness
  - Reduces explosive hazard risk for future residential users
  - Technically defensible and cost effective implementation
  - Minimizes site impacts, including vegetation

# Level 1 – Initial Evaluation

- “Table Top” Assessment
  - Detailed assessment of site data collected during MEC investigations and removal actions
  - Site walks and limited sampling to verify specific data quality uncertainty
- Define areas of uncertainty including
  - Technical challenges
  - High hazard MEC
  - Overall quality and/or documentation questions
- Define areas acceptable for residential reuse\*

*\* Note: Areas recommended as acceptable for residential reuse with appropriate institutional controls such as city and county ordinance, construction support and disclosures.*



# Level 2 – Baseline Verification Survey

- Conducted in areas where residual risk or uncertainty is identified during Level 1
- Site preparation to enable highest quality survey results
- Confirms previous removal actions and/or addresses uncertainty related to residential use
- Identify areas for Level 3
- Define areas acceptable for residential use\*



*\* Note: Areas recommended as acceptable for residential reuse with appropriate institutional controls such as city and county ordinance, construction support and disclosures.*



# Level 3 – Soil Scrape & Verification

- Selectively applied to address specific uncertainties identified during Level 2
- Soil scraped 6-12 inches and stockpiled on non-residential land
- Select specific areas for soil screening based on data
- Conduct verification of scraped area
  - Scraped surface reduces noise and increases detection depth
- Define areas acceptable for residential use\*

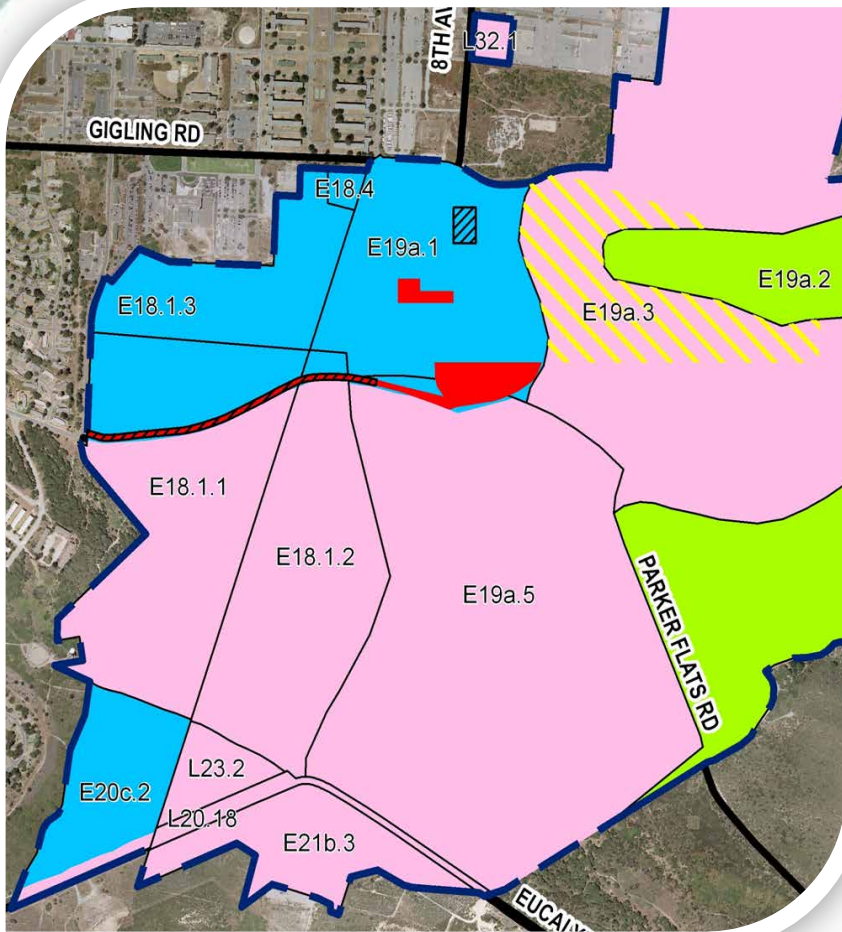


*\* Note: Areas recommended as acceptable for residential reuse with appropriate institutional controls such as city and county ordinance, construction support and disclosures.*

# Parker Flats RQA Level 1

- Overall Quality and Documentation
  - Confirmed acceptable data quality and completeness of documentation
- High Hazard MEC
  - Evidence of high hazard munitions use confirmed
  - Potential patterns of use for high hazard munitions along with potential detection challenges in two areas (hand grenade & 37mm)
- Technical Challenges
  - Dense vegetation areas along Parker Flats Road making it difficult to locate munitions items
  - Areas with geophysical interference addressed during the remedial investigation field work
- Level 1 Field Verification Site Walks
  - Northern side of Parker Flats Road
  - Area were single 40mm projectile found on surface

# Parker Flats Level 1 – Areas Acceptable for Reuse

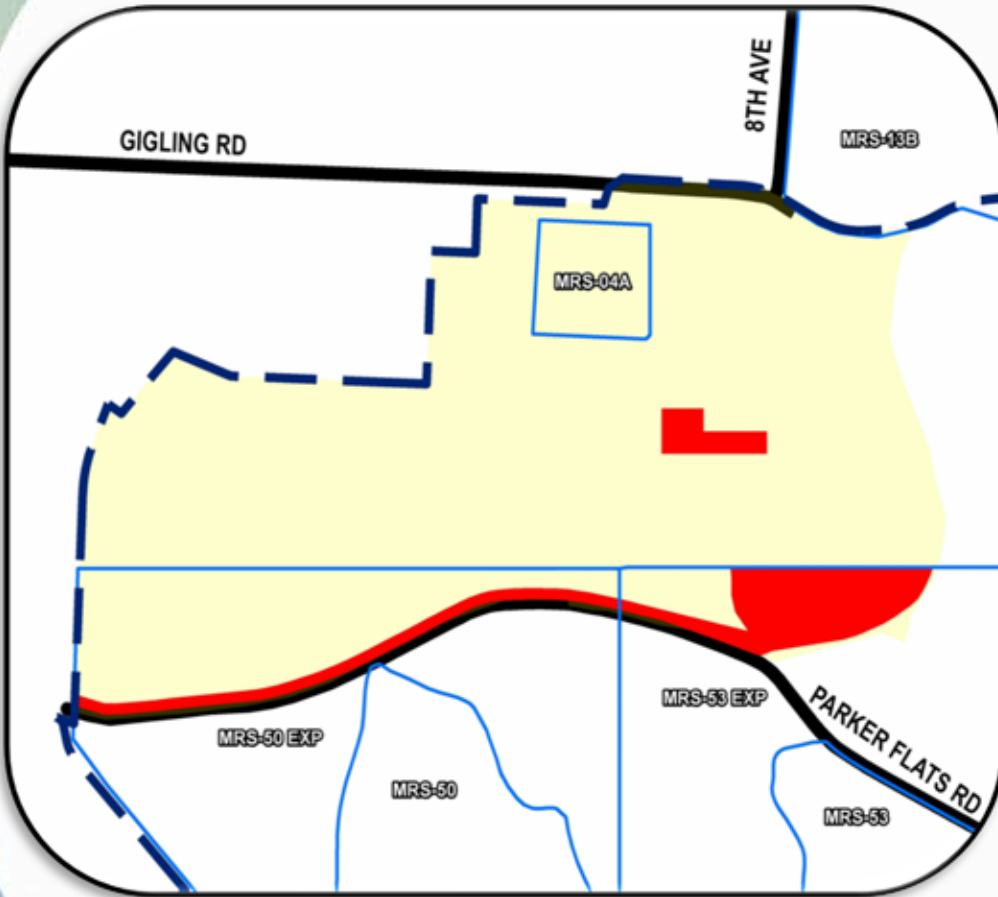


- Area Acceptable for Residential Reuse\*
  - Majority of Parker Flats North (133.6 ac)
  - Entire Parker Flats South (29.9 ac)
- Lines of Evidence
  - Areas with no high hazard munitions concerns identified
  - Areas with few or no munitions recovered
  - No identified technical challenges
  - No detection depth concerns
  - No documentation or QA/QC issues

*\* Note: Areas recommended as acceptable for residential reuse with appropriate institutional controls such as city and county ordinance ordinance, construction support and disclosures.*

■ Acceptable for Residential Reuse\*   
 ■ RQA Level 2 Area   
 Site Walk   
  Non Residential   
  Habitat Reserve   
  Mixed Use

# Parker Flats RQA Level 2 Areas



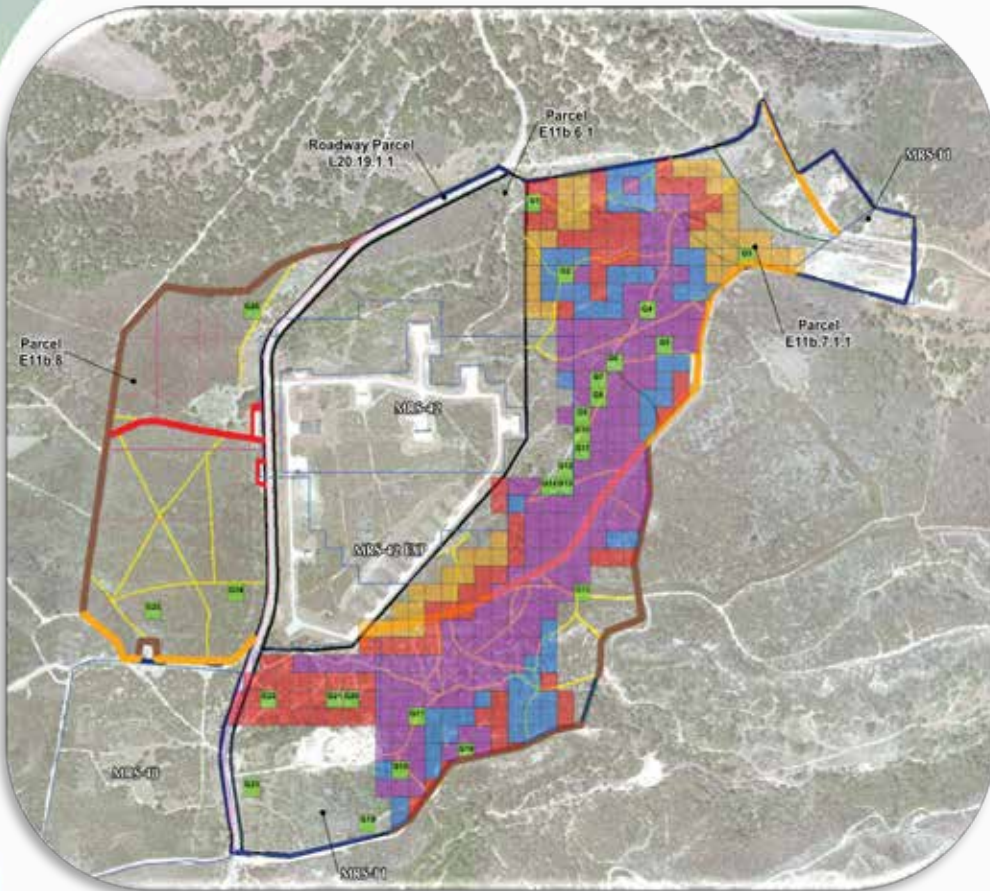
- Practice Hand Grenade Area
  - Potential for practice grenades to mask presence of fragmentation hand grenades
  - Fragmentation hand grenade debris recovered in area
  - Potential detection challenge due to detection depth of original survey
- Potential 37mm Munitions Use Area
  - Recovered debris may indicate use of 37mm projectiles in area
  - Concern with detection capability of original survey instruments
- Parker Flats Road (50' wide strip)
  - Indications MEC items discarded along road
  - Several high hazard MEC found along road
  - Dense vegetation and tree cover
  - Detection challenges with original survey instruments

# Parker Flats Level 2

- Conducted over approximately 18 acres as identified during Level 1 Initial Evaluation
- Level 2 field activities consist of:
  - Site preparation
    - Trash and debris removal
    - Tree and brush removal to ground level, where necessary, to ensure highest quality data
    - Surface clearance
  - DGM survey with FORA ESCA Sled
  - Digging of targeted anomalies
- Confirm previous removal actions and/or address uncertainty related to residential use
- Identify areas for Level 3
- Define areas acceptable for residential reuse\*

*\*Note: Area recommended as acceptable for residential reuse with appropriate institutional controls such as city and county ordinance, construction support and disclosures.*

# Future East Garrison MRA



- Conducting MEC investigation
  - Digital analog
  - Analog
- Highlights
  - Phased MEC investigation and removal
  - 157 MEC
  - 6,000 lbs munitions debris
  - 7,000 lbs of cultural debris
  - Minimizing impact to habitat during vegetation removal
  - Working with BLM on fire break Management

■ Grid Investigation   ■ 1<sup>st</sup> Expansion   ■ 2<sup>nd</sup> Expansion   ■ 3<sup>rd</sup> Expansion   ■ 4<sup>th</sup> Expansion

# Future East Garrison MRA



# Community Involvement 2011

- 2 ESCA Informal Community Workshops
- Events
  - Sea Otter Classic
  - CSUMB Earth Day
  - Army Community Involvement Workshops
  - Army Open House & Bus Tours
  - Monterey County Fair
  - Ø BLM Make a Difference Day
- Outreach to Cities and County
- Fort Ord Users Working Group – bi-monthly meetings





# Community Resources

- Ø Website: [www.fora-esca-rp.com](http://www.fora-esca-rp.com)
- Ø FORA ESCA RP on **facebook** and **twitter**
- Ø Quarterly Newsletters
- Ø Technical Fact Sheets
- Ø Weekly Updates: Hotline 831-883-3506
- Ø Maps showing access corridors
- Ø Kiosks at access corridor trailheads
- Ø Email: [esca@fora.org](mailto:esca@fora.org)
- Ø Address: 920 2<sup>nd</sup> Avenue, Suite A, Marina, CA 93933

