



### Fort Ord

- ◆ Started in 1917 as a horse garrison, closed in 1994, training and staging for infantry troops (7<sup>th</sup> Infantry)
- ◆ 27,827 acres/12,000 acres are known or suspected to contain MEC
- ◆ Types of MEC: artillery projectiles, rockets, hand grenades, practice land mines, pyrotechnic bombs, and demolition materials
- ♦ Reuse: 3 Es—Economy, Education, Environment
  - » Fort Ord won the 2020 Excellence in Site Reuse Award in the BRAC NPL category.
- ◆ Privatized cleanup
  - » In 2007, Army funded Fort Ord Reuse Authority to conduct MEC cleanup on 3,340 acres. Cleanup was completed in 2020. Land use controls implementation is ongoing.

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# Impact Area Munitions Response Area

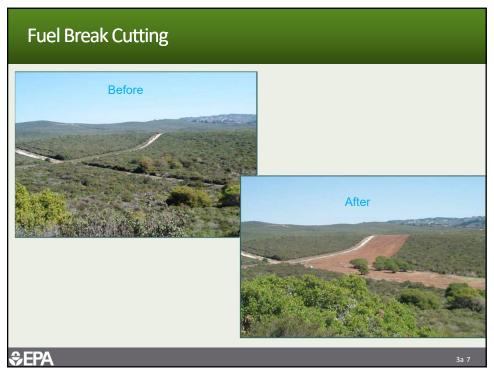
- ♦ 6,560 Acres
- **♦** Part of the Fort Ord National Monument
- **♦** Threatened and Endangered Species
  - » Central Maritime Chaparral
- **♦ Final Record of Decision Signed in 2008** 
  - » Prescribed Burns/Vegetation Cutting
  - » Technology Aided Surface MEC Remediation
  - » Subsurface Remediation in Select Areas (roads and trails)
  - » Institutional Controls
  - » Digital survey post cleanup

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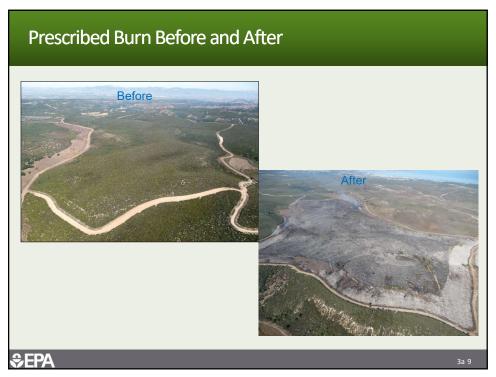


# Prescribed Burn Video

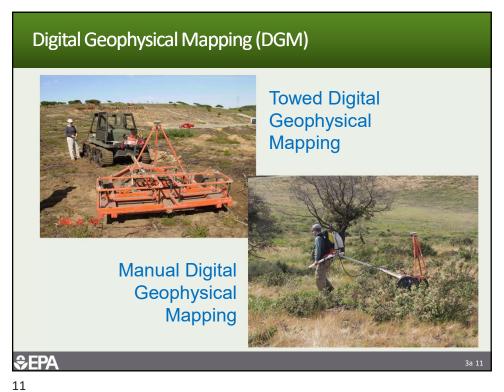
- ♦ Fort Ord prescribed burns (47 sec) Published on Oct 5, 2017
- ♦ <a href="https://youtu.be/qCkB36OeGJ4">https://youtu.be/qCkB36OeGJ4</a>

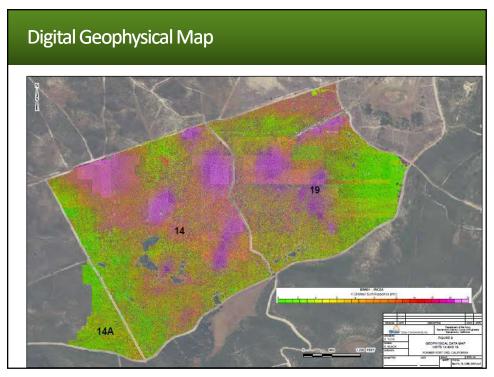
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# Institutional Controls, Education, and Outreach

### **♦ Institutional Controls**

- » Land Use Restrictions
- » Access Restrictions
  - > Signage and Fencing
- » Construction Support
  - > MEC Recognition and Safety Training
    - http://18.188.218.43/

### **♦** Education and Outreach

- » School outreach
- » Outreach at public events
- » Saturday open houses and bus tours

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## Cleanup Status:

- ♦ Estimated remedial BRAC completion in 2030
- ♦ Items recovered:
  - » BRAC
    - > 78,982 MEC items recovered
      - 12,106 high explosive items
    - > 300+ type of munitions found to date
  - » Privatized cleanup completed all investigations
    - > 4,900+ munitions items recovered
    - > 50,000 lbs of munitions debris recovered
    - > 150,000 cubic yards soil sifted
    - > 115,000 lbs Army cultural debris removed

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# Lessons Learned (So Far. . .)

- **♦** Munitions cleanup is resource intensive.
- ♦ In many cases long-term efforts are required (LUCs/ICs/5YRs).
- ♦ Collaboration and innovative thinking is key.
- **♦** Local knowledge and perspectives are important.

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# Questions? Special Thank you to: Judy Huang, EPA Region 9 Melissa Broadston, US Army, Fort Ord BRAC Office Stan Cook, Fort Ord Reuse Authority/City of Seaside