



U.S. Army Corps of Engineers
Omaha District

Former Lowry Bombing and Gunnery Range Arapahoe County, Colorado

Restoration Advisory Board (RAB) Project Status Update

Discussion Topics

- FLBGR Field Work Status Update
- Bombing Target 1 Plan Forward
- Former Lowry Training Annex (FLTA) Site Update
- 2010 RAB Meeting Schedule

FLBGR Field Work Status Update

- To Date (as of 15 July 2010)
 - 4,270 acres out of an estimated 6,001 acres have been cleared (~ 71%)
 - Over 1,422,355 inert items have been recovered (not including munitions scrap)
 - Over 23,359 live items have been recovered and appropriately disposed/demilitarized
 - Over 590,703 pounds of munitions scrap have been collected
- Current Team Distribution (July 2010)
 - Jeep/Demolition Range - 2 munitions response teams
 - Bombing Target 2 - 1 munitions response team
 - Bombing Target 4 - 1 munitions response team
 - Rocket Range - 1 munitions response team
 - Circle of Bricks AOI - 1 munitions response team
 - Bombing Target 2 - 1 digital geophysical mapping (DGM) team
- Targets Worked Since April 2010 RAB Meeting
 - Bombing Target 2 - “mag-and-dig” and DGM
 - Bombing Target 3 - boundary surface sweep
 - Bombing Target 4 - “mag-and-dig”
 - Bombing Target 6 - boundary surface sweep
- post-removal verification (PRV) QC go backs
 - Jeep/Demolition Range - “mag-and-dig”
- mechanized assisted clearance
 - Rocket Range - “mag-and-dig”
 - Circle of Bricks AOI - “mag-and-dig”
 - Mortar Range - PRV QC go backs
 - No Name AOI - PRV QC go backs



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➤ **Days Worked Without Lost Time Injury**

- 3,824 (as of 15 July 2009)

➤ **Bombing Target 2 (BT2) Status Update**

- No grids completed since last RAB meeting
- 539 live items found to date
- No demolition shots performed since last RAB meeting
- Summary of inert items recovered at BT2 since the last RAB meeting:
 - 2,860 (pounds) Ordnance and Explosive (OE) Scrap
 - 236 Bomb M38 100-lb Practice
 - 129 Bomb MK23 3-lb Practice
 - 122 Rocket 2.25"
 - 59 Small Arms
 - 3 Fuze Bomb M126
 - 3 Fuze Bomb M150
 - 2 Bomb M74 10-lb Incendiary
 - 1 Burster Tube
- Remaining field activities at BT2:
 - 3 "mag-and-dig" grids within the target center
 - DGM verification for 40 completed "mag-and-dig" grids
 - PRV transects
 - Boundary surface sweep

➤ **Bombing Target 3 (BT3) Status Update**

- Boundary surface sweep completed – approximately 62.4 acres
- 1 live item found to date
- No demolition shots performed since last RAB meeting
- Summary of inert items recovered at BT3 since the last RAB meeting:
 - 200 (pounds) OE Scrap
 - 4 Rocket 2.25"
 - 2 Bomb M38 100-lb Practice
 - 2 Bomb MK23 3-lb Practice
 - 1 Bomb M74 10-lb Incendiary
 - 1 Primer Detonator
 - 1 Detonating Cord Conduit
- Remaining field activities at BT3:
 - 10 "map-and-dig" grids (DGM step-outs, reacquisition, and digging of anomalies)
 - Designate areas applicable for institution controls
 - PRV transects



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➤ **Bombing Target 4 (BT4) Status Update**

- 20 “mag-and-dig” grids completed since last RAB meeting (boundary grids)
- “Map-and-dig” efforts are ongoing within an additional 27 boundary grids
- 15 live items found to date
- No demolition shots performed since last RAB meeting
- Summary of inert items recovered at BT4 since the last RAB meeting:
 - 3,863 (pounds) OE Scrap
 - 587 Bomb M38 100-lb Practice
 - 1 Bomb MK23 3-lb Practice
- Remaining field activities at BT4:
 - 14 “map-and-dig” boundary grids (reacquisition and digging of anomalies)
 - 13 “mag-and-dig” grids within the target center
 - PRV transects
 - Boundary surface sweep

➤ **Bombing Target 6 (BT6) Status Update**

- Boundary surface sweep is ongoing
 - Approximately 68 acres completed since last RAB meeting
- 1,162 live items found to date
- No demolition shots performed since last RAB meeting
- Summary of inert items recovered at BT6 since the last RAB meeting:
 - 203 (pounds) OE Scrap
 - 6 Small Arms
- Remaining field activities at BT6:
 - Complete boundary surface sweep
 - PRV – ongoing

➤ **Jeep/Demolition Range (JDR) Status Update**

- No grids completed since last RAB meeting
- Mechanized assisted clearance efforts are ongoing within the remaining triangular berm area – including several open burn/open detonation (OB/OD) pits
- 19,522 live items found to date
- 19 demolition shots performed since last RAB meeting:
 - 5,843 Projectile 20mm
 - 1 Ballastite
 - 1 Booster Cup
- Summary of inert items recovered at the JDR since the last RAB meeting:
 - 2,186 (pounds) OE Scrap
 - 1,479 Projectile 20mm
 - 363 Small Arms



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- 136 Bomb M50 4-lb Incendiary
- 9 War Head Rocket 2.75 Practice
- 2 Burster Tube
- 1 Bomblet, BW Agent 4-lb M114
- Remaining field activities at the JDR:
 - 30 grids for large scale earth moving and manual/mechanical screening
 - Excavate to depth OB/OD pits (16 known pits)
 - PRV transects (outside the berms)

➤ **Rocket Range Status Update**

- No grids completed since last RAB meeting
- 126 live items found to date
- No demolition shots performed since last RAB meeting
- Summary of inert items recovered at the Rocket Range since the last RAB meeting:
 - 7,040 (pounds) OE Scrap
 - 745 Rocket 2.25"
 - 421 Projectile 20mm
 - 324 Small Arms
 - 217 Bomb MK23 3-lb Practice
 - 43 Bomb M38 100-lb Practice
- Remaining field activities at the Rocket Range:
 - 8 "mag-and-dig" grids
 - 25 "map-and-dig" step-out grids (southern and western boundaries)
 - PRV transects
 - Boundary surface sweep

➤ **Circle of Bricks (COB) AOI Status Update**

- No grids completed since last RAB meeting
- "Map-and-dig" efforts are ongoing
- 11 live items found to date
- No demolition shots performed since last RAB meeting
- Summary of inert items recovered at the COB AOI since the last RAB meeting:
 - 275 (pounds) OE Scrap
 - 1,569 Small Arms
 - 532 Projectile 20mm
 - 1 Bomb M38 100-lb Practice
- Remaining field activities at the COB AOI:
 - 15 "map-and-dig" grids (DGM step-outs, reacquisition, and digging of anomalies)
 - 2 "mag-and-dig" grids within the target center



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➤ **Estimated Percent Complete**

- 64% Overall Clearance
- 54% Jeep/Demolition Range
- 96% Bombing Target 6
- 92% Rocket Range
- 0% Air-to-Ground Gunnery Range
- 96% Mortar Range
- 56% Entire 20mm Impact Area
 - 100% Area A
 - 32% Area B
- 94% Bombing Target 2
- 15% Bombing Target 3
- 100% Bombing Target 7
- 64% Bombing Target 4
- 100% Bombing Target 1
- 100% Bombing Target 5

Bombing Target 1 (BT1) Plan Forward

- 92 acre area within the northwest corner of the FLBGR
 - Owned and managed by the City of Aurora, Parks Department
 - Entirely contained within the Plains Conservation Center (PCC)
 - Area is managed as passive high plains open space
- Alternate munitions response approach is being implemented for the BT1 area
 - Instrument assisted surface clearance for the entire impacted target area
 - Land use controls and environmental covenants prohibiting future subsurface disturbance
 - Long-term management, education, and response procedures
 - No intrusive munitions response proposed to preserve natural plains vegetation & wildlife
 - CDPHE, City of Aurora, and PCC have concurred with the alternate approach
- Fieldwork was completed in June 2010
 - Approximately 162 acres were surface cleared (including step-outs)
 - Approximately 771 pounds of M38 100-lb practice bomb debris was recovered
 - No live items were found
 - Final report development is ongoing

Former Lowry Training Annex (FLTA) Site Update

- Munitions response activities are essentially complete
- Final report development is ongoing



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2010 RAB Meeting Schedule

- Next RAB meeting is scheduled for October 20, 2010
- 6:00 – 8:00 pm
- Arapahoe County Fairgrounds Complex