



Former Lowry Bombing and Gunnery Range Arapahoe County, Colorado

Restoration Advisory Board Project Status Update

Discussion Topics

- FLBGR Field Work Status Update
- Bombing Target 1 Plan Forward
- Former Lowry Training Annex (FLTA) Site Update
- Navy/DRI Site Update
- 2009 RAB Meeting Schedule

FLBGR Field Work Status Update

- **To Date (as of 10 July 2009)**
 - 3,929 acres out of an estimated 6,001 acres have been cleared (~ 65%)
 - Over 1,331,255 inert items have been recovered (not including munitions scrap)
 - Over 4,909 live items have been recovered and appropriately disposed/demilitarized
 - Over 503,500 pounds of munitions scrap have been collected
- **Current Team Distribution (July 2009)**
 - Bombing Target 2 - 2 munitions response teams
 - Bombing Target 4 - 1 munitions response team
 - Bombing Target 7 - 1 digital geophysical mapping (DGM) team
 - Jeep/Demolition Range - 2 munitions response teams
 - Circle of Bricks AOI - 1 munitions response team
- **Targets Worked Since April 2009 RAB Meeting**
 - Bombing Target 2 - mag-and-dig
 - Bombing Target 4 - mag-and-dig
- anomaly reacquisition and digging
 - Rocket Range - mag-and-dig
 - Jeep/Demolition Range - mag-and-dig
- mechanized assisted clearance
- USACE geophysical QA
 - Circle of Bricks AOI - anomaly reacquisition and digging
- **Days Worked Without Lost Time Injury**
 - 3,457 (as of 15 July 2009)



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

- 4 “Mag-and-Dig” grids completed since last RAB meeting (target center)
- 539 live items found to date
- 2 demolition shots performed since last RAB meeting:
 - Bomb M74 10 Lb Incendiary
- Summary of items recovered at BT2 since the last RAB meeting:
 - 52 (pounds) OE Scrap
 - 757 Bomb M38 100 Lb Practice
 - 266 Bomb MK23 3 Lb Practice
 - 249 Rocket 2.25”
 - 223 Small Arms
 - 19 Bomb M125 Scrap
 - 14 Booster (for M152 Fuze)
 - 11 Burster Tube
 - 9 Bomb M74 10 Lb Incendiary
 - 6 Fuze Bomb M126
 - 2 Booster Cup
 - 1 Igniter Tube
- Remaining field activities at BT2:
 - 6 mag-and-dig grids within the target center
 - DGM verification for 40 completed mag-and-dig grids
 - Post-removal verification transects

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

- 1 “Mag-and-Dig” grid completed since last RAB meeting (target center)
- 1 “Map-and-Dig” grid completed since last RAB meeting (NE boundary)
- “Map-and-Dig” efforts are ongoing within an additional 27 boundary grids
- 11 live items found to date
- No demolition shots performed since last RAB meeting
- Summary of items recovered at BT4 since the last RAB meeting:
 - 52 (pounds) OE Scrap
 - 490 Bomb M38 100 Lb Practice
 - 10 Projectile 20mm
 - 6 Small Arms
 - 3 Bomb MK23 3 Lb Practice
 - 2 Bomb M125 Scrap
- Remaining field activities at BT4:
 - 85 map-and-dig boundary grids (reacquisition and digging of anomalies)
 - 19 mag-and-dig grids within the target center
 - Post-removal verification transects



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➤ **Rocket Range Status Update**

- 1 “Mag-and-Dig” grid completed since last RAB meeting (NW boundary)
- 126 live items found to date
- No demolition shots performed since last RAB meeting
- Summary of items recovered at the Rocket Range since the last RAB meeting:
 - 375 (pounds) OE Scrap
 - 859 Rocket 2.25”
 - 533 Projectile 20mm
 - 279 Small Arms
 - 220 Bomb MK23 3 Lb Practice
 - 23 Bomb M38 100 Lb Practice
- Remaining field activities at the Rocket Range:
 - 8 mag-and-dig grids
 - Post-removal verification transects

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

- No grids completed since last RAB meeting
- “Mag-and-Dig” efforts are ongoing adjacent to (outside) triangular berm area
- Mechanized assisted clearance efforts are ongoing within the triangular berm area
- USACE QA efforts are ongoing for completed map-and-dig grids
- 1,089 live items found to date
- 2 demolition shots performed since last RAB meeting:
 - 709 Projectile 20mm
- Summary of items recovered at the JDR since the last RAB meeting:
 - 10,853 (pounds) OE Scrap
 - 106 Projectile and/or Fuze 20mm
 - 15 Small Arms
 - 9 Projectile 30mm
- Remaining field activities at the JDR:
 - 1 mag-and-dig grid adjacent to berm area
 - Mechanized assisted clearance (30 grids, 7 known OB/OD pits, and 5 acres of berms)
 - USACE QA (99 map-and-dig grids)

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

- No grids completed since last RAB meeting
- “Map-and-Dig” efforts are ongoing
- No live items found to date
- No demolition shots performed since last RAB meeting
- Summary of items recovered at the COB AOI since the last RAB meeting:
 - 23 (pounds) OE Scrap



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- 870 Small Arms
- 390 Projectile 20mm
- 3 Bomb M38 100 Lb Practice
- 2 Projectile 37mm HE
- 1 Rocket 2.25"
- Remaining field activities at the COB AOI:
 - 61 map-and-dig grids (reacquisition and digging of anomalies)
 - 2 mag-and-dig grids within the target center

➤ **Estimated Percent Complete**

- 62% Overall Clearance
- 53% Jeep/Demolition Range
- 94% Bombing Target 6
- 93% Rocket Range
- 0% AG Gunnery Range
- 93% Mortar Range
- 56% Entire 20mm Impact Area
 - 100% Area A
 - 32% Area B
- 94% Bombing Target 2
- 15% Bombing Target 3
- 95% Bombing Target 7
- 23% Bombing Target 4
- 0% 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
 - Area is managed as passive high plains open space
- Alternate munitions response approach being recommended for the BT1 area
 - Instrument assisted surface clearance for the entire impacted target area
 - Land use controls and environmental covenants prohibiting subsurface disturbance
 - Long-term management, education, and response procedures
 - No intrusive munitions response proposed to preserve natural plains vegetation & wildlife
- CDPHE has concurred with conceptual approach
- Planning and coordination efforts are underway
- Fieldwork is anticipated to start late Fall/Winter 2009



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Former Lowry Training Annex (FLTA) Site Update

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

Navy/DRI Site Update

- Engineering Evaluation/Cost Analysis (EE/CA)
 - Public comment period ends 20 July 2009
 - Hardcopy of the report is available for public review at the Aurora Public Library
 - Electronic copy of the report is available for download on the project website
http://www.flbgr.org/pdfs/2009/TO_KR03_Engineering_Eval-Cost_Analysis.pdf
- Work continues on the associated project planning documents
 - Address potential munitions
 - Verify adequacy of previous radiological and surveys and removals
- Work plans currently scheduled to be complete in October 2009
- Field work scheduled to start in November 2009 with an anticipated 6 month duration
 - Actual duration may vary depending on the severity of the winter & weather related delays

2009 RAB Meeting Schedule

- Next RAB meeting is scheduled for October 21, 2009
- 6:00 – 8:00 pm
- Arapahoe County Fairgrounds