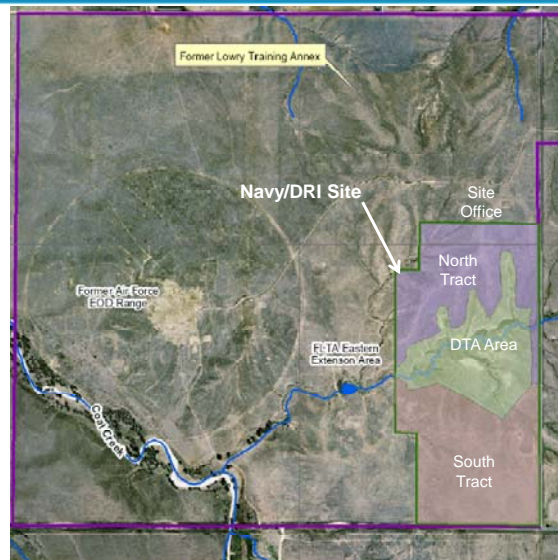


NAVY / Denver Research Institute

Non-Time Critical Removal Action

Restoration Advisory Board Meeting
21 April 2010

Former Lowry Training Annex --Navy/DRI Site Location



Site History – Navy/DRI Site



Navy/DRI site occupies 386 acres

Operated by Denver Research Institute (DRI) under contract to Office of Naval Research from 1959 to 1995

- DRI mission at site was to demonstrate the potential effects of munitions and explosive effects in a controlled environment
- DRI used approximately 100 acres at center of site, called the Denver Test Area (DTA)
- Available information indicates DRI conducted research that included
 - Measurement of fragment size and dispersion after an explosion
 - Analysis of the effects of fluidic encased charges
 - Analysis of shape charge effects
 - Patriot missile warhead testing
 - Depleted uranium testing

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Central DTA Where Testing Occurred



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Remedial Activities at Navy/DRI Site



- **Several remedial efforts have occurred at the Navy/DRI Site**
 - Pre-closure MEC investigations (1994)
 - Visual surface sweep (1998)
 - Initial geophysical survey & MEC samplings (1999)
 - Site MEC investigations, Phases 1 – 4 (1999 – 2002)
 - Radiation walkover survey (1999)
 - Radiation sampling & removal (1999)
 - Site-wide background sampling (2000)
 - Site Inspection for MC (2000)

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Planned Actions at Navy/DRI Site



- **Current task is to conduct a Non-Time Critical Removal Action (NTCRA) to clear the site of munitions and munition related debris.**
- **Goal is a comprehensive evaluation of acceptable quality to allow formal closure of the site.**
- **NTCRA will consist of –**
 - Radiation survey, with soil sampling and analysis
 - Instrument aided surface clearance
 - 100% Geophysical investigation
 - Removal of anomalies
 - QA through Pacific Northwest Laboratories (PNL) and NAVFAC/TECHDIV
 - Preparation of post action reports
- **NTCRA will be conducted to removal of all targets equal to or greater than 20 mm projectiles**
- **Planned actions to be executed by Tetra Tech EC, Inc**

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Schedule



Decision Documents & Project Plans

–September 2008 – May 2010

Surface Clearance

–April 2010 – July 2010

Geophysical Investigation

–June 2010 – August 2010

Anomaly Removal

–June 2010 – September 2010

Radiation Survey

–June 2010 – August 2010

QA Survey

–August 2010 – September 2010

Project Reports

–September 2010 – June 2011

No Further Action Required (Goal)

–Mid 2011

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