

FINAL

**OPERATIONAL RANGE ASSESSMENT PROGRAM
PHASE I QUALITATIVE ASSESSMENT REPORT
PEACEFUL VALLEY RANCH
ELBERT, COLORADO**

APRIL 2008

Prepared for:

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EXECUTIVE SUMMARY

The United States (U.S.) Army is conducting qualitative assessments at operational ranges to meet the requirements of Department of Defense policy and to support the U.S. Army Sustainable Range Program. The operational range qualitative assessment (hereinafter referred to as Phase I Assessment) is the first phase of the U.S. Army Operational Range Assessment Program. This Phase I Assessment evaluates the operational range area at Peaceful Valley Ranch to assess whether further investigation is needed to determine if potential munitions constituents of concern (MCOC) are or could be migrating off-range at levels that may pose an unacceptable risk to human health or the environment. In conducting the Phase I Assessment, MCOC sources, potential off-range migration pathways, and potential off-range human and ecological receptors are evaluated as appropriate.

Peaceful Valley Ranch encompasses approximately 1,210.29 acres in Elbert County, Colorado, and is located approximately 1.25 miles south of Elbert, Colorado. The Colorado Army National Guard (COARNG) entered into a memorandum of understanding with the Denver Area Council, Boy Scouts of America to utilize Peaceful Valley Ranch between 17 November 2000 and 17 November 2005. According to the Army Range Inventory Database-Geodatabase (2005) the site is a miscellaneous training area at which patrolling and land navigation field activities occur.

Training activities currently are not conducted at Peaceful Valley Ranch and historically did not involve the use of military munitions (live-fire or non-live-fire). No COARNG potential MCOC source was identified at Peaceful Valley Ranch; therefore, potential off-range migration pathways and potential off-range human and ecological receptors were not evaluated. The range at Peaceful Valley Ranch is categorized as Unlikely. It should be noted that two privately owned shooting areas are located within Peaceful Valley Ranch. Although these areas contain MCOC, these locations are not owned, operated, or used by the COARNG.

Installations with operational ranges where no munitions or only small caliber blanks have been utilized are categorized as Unlikely. That is, based on a review of available information, there is sufficient evidence to show that due to the lack of munitions use there are no known releases or source-receptor interactions that could present an unacceptable risk to human health or the environment. Ranges categorized as Unlikely are required to be re-evaluated at least every five years. Re-evaluation may occur sooner if significant changes (e.g., change in range operations or site conditions, regulatory changes) occur that affect determinations made during this Phase I Assessment. **Table ES-1** summarizes the Phase I Assessment findings.

Table ES-1: Summary of Findings and Conclusions for Peaceful Valley Ranch

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human and Ecological Receptors	Conclusions
Unlikely	One operational range; 1,210.29 acres	No source—no current or historical use of live-fire military munitions	Not evaluated (no source identified)		Re-evaluate during the five-year review.

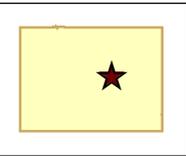
ABBREVIATIONS/ACRONYMS

ARID-GEO	Army Range Inventory Database-Geodatabase
COARNG	Colorado Army National Guard
CSM	Conceptual Site Model
DoD	Department of Defense
JFHQ-CO	Joint Force Headquarters-Colorado
MCOC	Munitions Constituents of Concern
MOU	Memorandum of Understanding
ORAP	Operational Range Assessment Program
U.S.	United States
USACE	United States Army Corps of Engineers

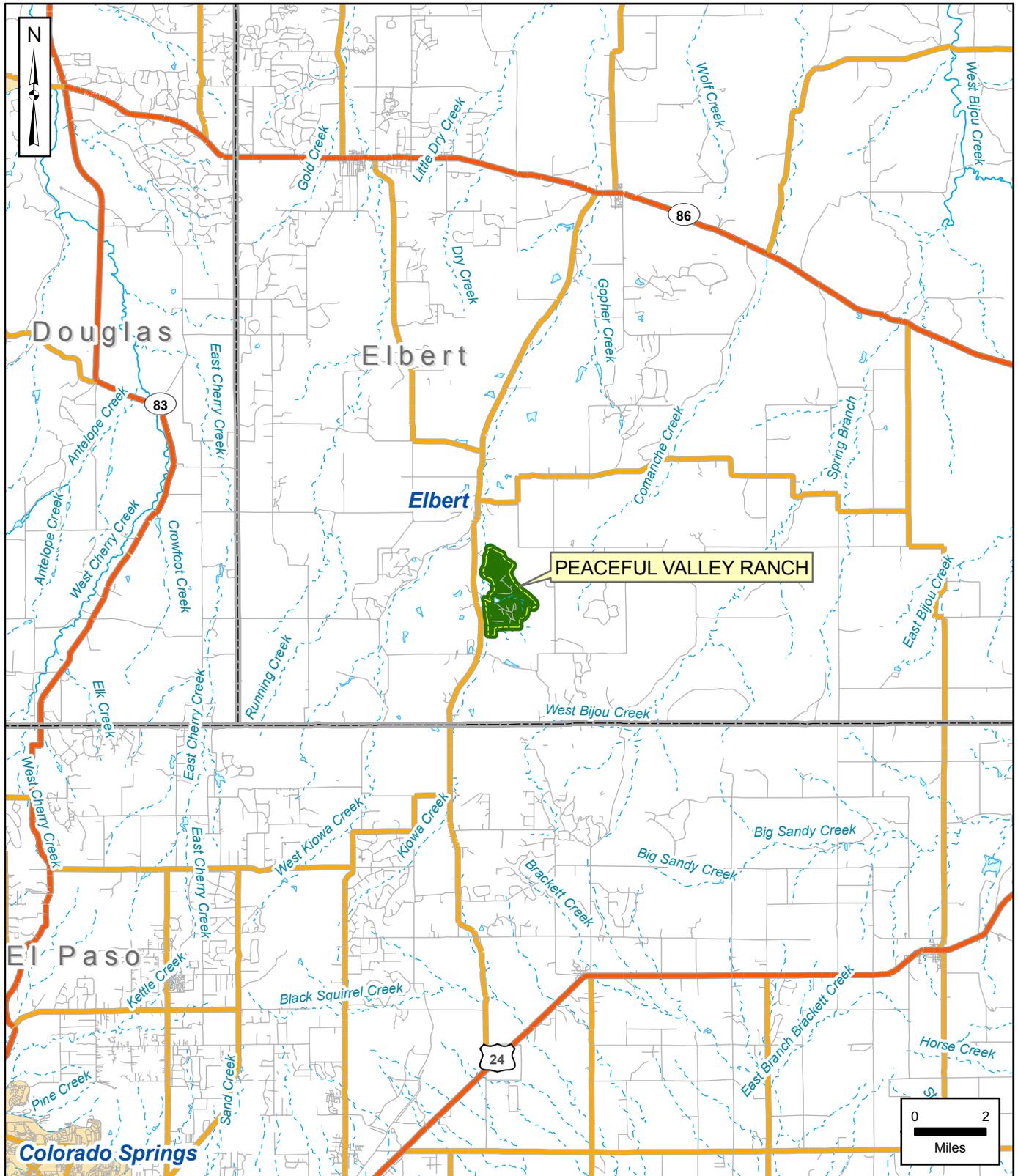


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**Figure 2-1
General Peaceful Valley Ranch Location and Operational Range Area**



Installation

- Installation Boundary
- Operational Area

Hydrology

- Stream (Perennial)
- Stream (Intermittent)
- Canal/Ditch
- Water Body

Transportation

- Highway
- Major Road
- Local Road

Administrative

- County Boundary
- Urban Area

Data Sources:
AEC, ARID-GEO, 2005
ESRI, StreetMap USA, 2005

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