

**FINAL
OPERATIONAL RANGE ASSESSMENT PROGRAM
PHASE I QUALITATIVE ASSESSMENT REPORT
WATKIN ARMORY
DENVER, COLORADO**

JULY 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 Watkin Armory 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.

According to Army Range Inventory Database-Geodatabase (2005), Watkin Armory encompasses approximately 12 acres in Adams County, Colorado. However, personnel interviews and the purchase and sales agreement indicate that Watkin Armory encompasses approximately 24 acres. Owned by the Colorado Army National Guard, the installation is located approximately 24 miles east of Denver, Colorado. According to the Army Range Inventory Database-Geodatabase (2005), one training and maneuver area encompassing 2.11 acres is present at Watkin Armory.

Radio relay training activities are conducted at Watkin Armory. A review of available records and background data, as well as an interview with installation personnel, indicates that training activities at Watkin Armory do not involve, and historically have not involved, the use of military munitions except for small caliber blanks. Small caliber blanks contain no projectile and are not considered to be a source of MCOC. Potential sources of MCOC were not identified at Watkin Armory; therefore, potential off-range migrations pathways and potential off-range human and ecological receptors were not evaluated. The training and maneuver area at Watkin Armory is categorized as Unlikely.

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 Watkin Armory

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human and Ecological Receptors	Conclusions
Unlikely	One operational range; 2.11 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.

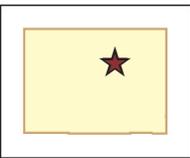
ABBREVIATIONS/ACRONYMS

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
ORAP	Operational Range Assessment Program
RFMSS	Range Facility Management Support System
U.S.	United States
USACE	United States Army Corps of Engineers

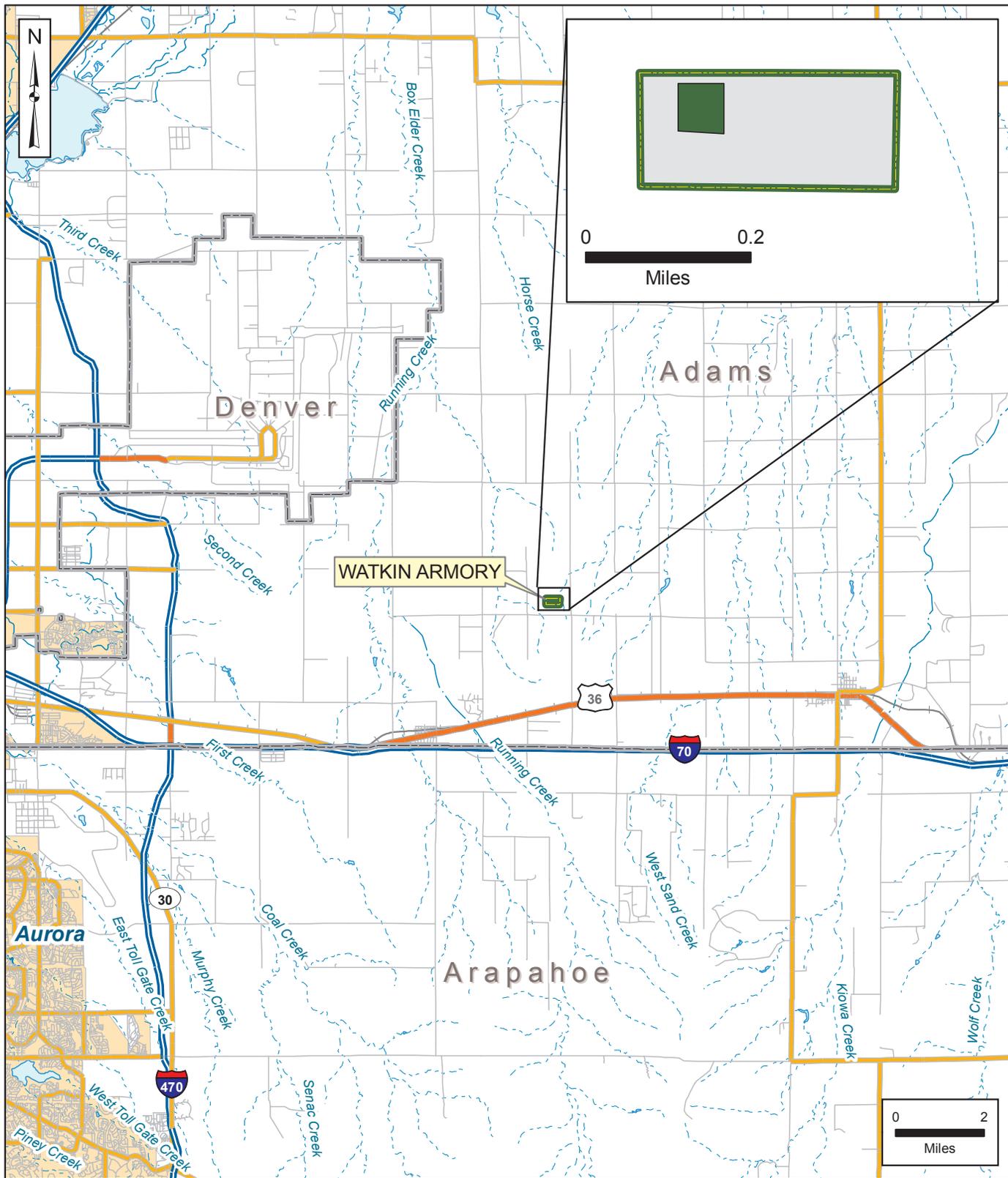


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**Operational Range Assessment Program
Phase I Qualitative Assessment
Watkin Armory, CO**



**Figure 2-1
Watkin Armory Location and Operational Range Area**



Installation

- Installation Boundary
- Operational Area
- Other than Operational Area

Hydrology

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

Transportation

- Interstate
- Highway
- Major Road
- Local Road
- Railroad

Administrative

- County Boundary
- Urban Area

Data Sources:

AEC, ARID-GEO, 2005
ESRI, StreetMap USA, 2005
COARNG, 2001

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