

**FINAL  
OPERATIONAL RANGE ASSESSMENT PROGRAM  
PHASE I QUALITATIVE ASSESSMENT REPORT  
WALLY EAGLE DROP ZONE  
LOVELAND, COLORADO**

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Prepared for:

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## ABBREVIATIONS/ACRONYMS

amsl	Above Mean Sea Level
ARID-GEO	Army Range Inventory Database-Geodatabase
bgs	Below Ground Surface
COARNG	Colorado Army National Guard
CSM	Conceptual Site Model
DoD	Department of Defense
DODI	Department of Defense Instruction
DZ	Drop Zone
E	Ecological receptors identified. (This refers to range grouping; pathway designation always precedes E designation.)
GLIC	Greeley and Loveland Irrigation Company
gpm	Gallons per Minute
GW	Groundwater pathway identified. (This refers to range grouping; M designation always precedes GW designation.)
H	Human receptors identified. (This refers to range grouping; pathway designation always precedes H designation.)
HUC	Hydrologic Unit Code
JFHQ-CO	Joint Force Headquarters-Colorado
LS	Limited Source
M	Munitions used. (This refers to range grouping; M designation always precedes applicable pathway.)
MAC	Military Airlift Command
MCOC	Munitions Constituents of Concern
MOU	Memorandum of Understanding
ORAP	Operational Range Assessment Program
PU	Pathway unlikely or incomplete. (This refers to range grouping; M designation always precedes PU designation.)
RFMSS	Range Facility Management Support System
SLRC	Seven Lakes Reservoir Company
SW	Surface water pathway identified. (This refers to range grouping; M designation always precedes SW designation.)
U.S.	United States
USACE	United States Army Corps of Engineers
USACHPPM	United States Army Center for Health Promotion and Preventive Medicine
USAEC	United States Army Environmental Command
USEPA	United States Environmental Protection Agency
°F	Degrees Fahrenheit

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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 Wally Eagle Drop Zone (DZ) to assess whether further investigation is needed to determine if potential munitions constituents of concern (MCO) 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, MCO sources, potential off-range migration pathways, and potential off-range human and ecological receptors are evaluated as appropriate.

Wally Eagle DZ is a Colorado Army National Guard (COARNG) installation located in north-central Colorado within Larimer County. The installation is approximately one mile north of Loveland, Colorado, and approximately 11 miles south of Fort Collins, Colorado.

As part of the Operational Range Inventory Sustainment, an update to the Army Range Inventory Database-Geodatabase (ARID-GEO) was submitted to the U.S. Army Environmental Command in June 2005. ARID-GEO (2005) identifies a single operational range encompassing a total of 841 acres at Wally Eagle DZ. The total operational range area is derived from the Operational Use Area (total range area) acreage as reported in ARID-GEO (2005). This range consists of a training and maneuver area that is only used as a DZ. There is no other than operational area at Wally Eagle DZ.

A review of available records and background data, as well as interviews with COARNG personnel, indicated that limited amounts of military munitions were used at the installation from the 1983 through 2001. Training has not been conducted at Wally Eagle DZ since June 2001. Activities at Wally Eagle DZ consisted of soldiers parachuting out of helicopters into an open field and, on occasion, involved the use of pyrotechnics/obscurants to indicate wind direction to the jumpers. Because training activities have involved limited use of military munitions sporadically over 13 years, there are only limited sources of MCO at Wally Eagle DZ. Therefore, potential off-range migration pathways and potential off-range human and ecological receptors are not evaluated as part of this Phase I Assessment.

The single operational range at Wally Eagle DZ is categorized as Unlikely.

### **Unlikely – Five-Year Review**

The single range at Wally Eagle DZ is categorized as Unlikely. This 841-acre range consists of a personnel and equipment DZ. Ranges where, based upon a review of readily available information, there is sufficient evidence to show that there are no known releases or source-receptor interactions off-range that could present an unacceptable risk to human health or the environment are categorized as Unlikely. 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 Wally Eagle DZ**

<b>Category</b>	<b>Total Number of Ranges and Acreage</b>	<b>Source(s)</b>	<b>Pathway(s)</b>	<b>Human Receptors</b>	<b>Ecological Receptors</b>	<b>Conclusions and Rationale</b>
Unlikely	1 operational range; 841 acres	Limited source—limited military munitions use				Not evaluated (no source identified) Re-evaluate during the five-year review. No source was identified.