

**FINAL
OPERATIONAL RANGE ASSESSMENT PROGRAM
PHASE I QUALITATIVE ASSESSMENT REPORT
AIRPORT TRAINING AREA
BOISE, IDAHO**

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Prepared for:

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ABBREVIATIONS/ACRONYMS

| | |
|----------|--|
| °F | degrees Fahrenheit |
| ARID-GEO | Army Range Inventory Database-Geodatabase |
| amsl | Above Mean Sea Level |
| ANG | Air National Guard |
| ARNG | Army National Guard |
| bgs | Below Ground Surface |
| CSM | Conceptual Site Model |
| DoD | Department of Defense |
| DODI | Department of Defense Instruction |
| E | Ecological receptors identified. (This refers to range grouping; pathway designation always precedes E designation.) |
| EMO | Environmental Management Office |
| GIS | Geographic Information System |
| 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.) |
| JIC | Joint Installation Command |
| LS | Limited Source |
| M | Munitions used. (This refers to range grouping; M designation always precedes applicable pathway.) |
| MCOC | Munitions Constituents of Concern |
| mm | Millimeter |
| N/A | Not Applicable |
| 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 |
| 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 |
| USGS | United States Geological Survey |
| WSRP | Western Snake River Plain |
| WWII | World War II |

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 Airport Training Area 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.

Airport Training Area is an Idaho Army National Guard (ARNG) facility that encompasses approximately 1,868 acres in Ada County, Idaho. The installation is located approximately three miles south of downtown Boise on property owned by the City of Boise. According to the Army Range Inventory Database-Geodatabase from 2006, the installation includes three maneuver areas and one personnel/equipment drop zone encompassing 1,847 acres. The remaining 21 acres consist of cantonment area and an Idaho Air National Guard pistol range. The pistol range is not designated as operational in the Army Range Inventory Database-Geodatabase (2006) and is not used by the Idaho Army National Guard; therefore, it is not included in this Phase I Assessment (Idaho ARNG Project Officer pers. comm., 2007).

A review of available records and background data, as well as interviews with installation personnel, indicated that the ranges at Airport Training Area have never been used for training involving live-fire military munitions. According to the Range Facility Management Support System (RFMSS) data, the only documented use of military munitions on Airport Training Area from December 2002 through November 2005 was a total of 200 rounds of 5.56-millimeter (mm) and 7.62-mm blank ammunition fired during 2005. Information regarding military munitions use prior to December 2002 was gathered from interviews with installation personnel. Although the RFMSS data only indicates blank rounds were used, installation personnel indicated pyrotechnics were also occasionally used on site (Idaho ARNG Project Officer pers. comm., 2007). Training currently conducted at Airport Training Area consists primarily of drivers' training and an orienteering course. Because current and historical training activities involve only the use of blanks and limited pyrotechnics, there are limited sources of MCOC.

The four operational ranges at Airport Training Area are categorized as Unlikely.

Unlikely – Five-Year Review

Four ranges at Airport Training Area are categorized as Unlikely, totaling 1,847 acres. These ranges consist of three maneuver areas and one personnel/equipment drop zone. 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 on ranges 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 Airport Training Area

| Category | Total Number of Ranges and Acreage | Source(s) | Pathway(s) | Human Receptors | Ecological Receptors | Conclusions and Rationale |
|----------|--------------------------------------|--|---|-----------------|----------------------|---|
| Unlikely | Four operational ranges; 1,847 acres | Limited source – only small arms blanks and minimal pyrotechnics use | Not evaluated (limited source identified) | | | Re-evaluate during the five-year review. Limited source was identified. |