

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

---

MARCH 2008

Prepared for:

**UNITED STATES ARMY CORPS OF ENGINEERS, BALTIMORE DISTRICT**  
P.O. Box 1715  
Baltimore, Maryland 21203

and

**UNITED STATES ARMY ENVIRONMENTAL COMMAND**  
Aberdeen Proving Ground, Maryland 21010

Prepared by:

**MALCOM PIRNIE, INC.**  
300 E. Lombard Street  
Suite 610  
Baltimore, Maryland 21202



## 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.

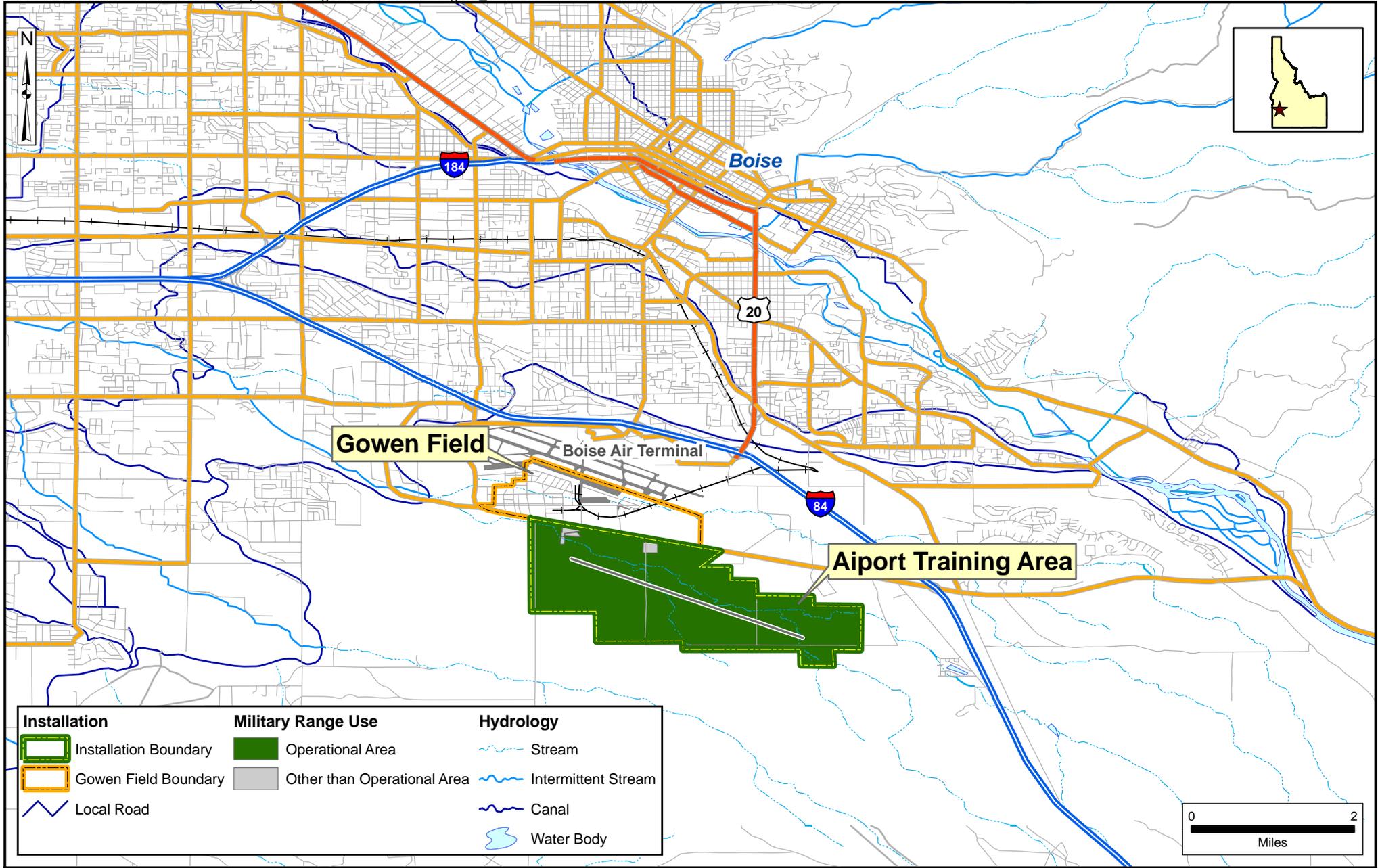
**Table ES-1** summarizes the Phase I Assessment findings.

**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.

## 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



### Qualitative Operational Range Assessment Airport Training Area, Idaho

Figure 1-1  
General Airport Training Area Location

Data Sources:  
AEC, ORIS, June 2006  
ESRI, StreetMap USA, 2005

Date: .....March 2008  
Prepared By: ..... Malcolm Pirnie, Inc.  
Prepared For: ..... U.S. Army  
Contract Number: .W912DR-05-D-0004