



FINAL

Operational Range Assessment Program Phase I Qualitative Assessment Report Gulkana Glacier Training Site, Alaska U.S. Army Operational Range Assessment Program Qualitative Operational Range Assessments

Prepared for:
U.S. Army Environmental Command and
U.S. Army Corps of Engineers Baltimore District



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Final Operational Range Assessment Program Phase I Qualitative Assessment Range Assessment Reports will be released beginning in March 2008 per the Direction of Army Headquarters. The cover page of this Report reflects the official finalization date. The date on subsequent pages/figures reflects the date upon which this document's conclusions are based.



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 Gulkana Glacier Training Site (TS) 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.

Gulkana Glacier TS is a sub-installation of U.S. Army Garrison Fort Richardson and encompasses approximately 40.9 acres southeast of Fairbanks, Alaska. The facility is located between the cities of Glenallen and Delta Junction, approximately 30 miles south of Donnelly Training Area. According to the 2006 Army Range Inventory Database-Geodatabase, the facility is composed of a single light maneuver/training area.

A review of available records and background data, as well as an interview with installation personnel at Fort Richardson, indicated that the range at Gulkana Glacier TS has never been used for training involving military munitions (live-fire or non-live-fire). Training currently conducted at Gulkana Glacier TS consists of glacial travel, ice climbing, rescue techniques, and glacial warfare. Because training activities have not involved the use of current and historical military munitions, there are no potential sources of MCOC. Therefore, potential off-range migration pathways and potential off-range human and ecological receptors were not evaluated, and the range at Gulkana Glacier TS is categorized as Unlikely.

Installations with operational ranges where no munitions have been utilized or those where 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 Gulkana Glacier Training Site

Category	Total Number of Ranges and Acreage	Source(s)	Pathways(s)	Human and Ecological Receptors	Conclusions
Unlikely	1 operational range; 40.9 acres	No source—no current or historical use of live-fire or non-live-fire military munitions	Not evaluated (no source identified)		Re-evaluate during the five-year review.

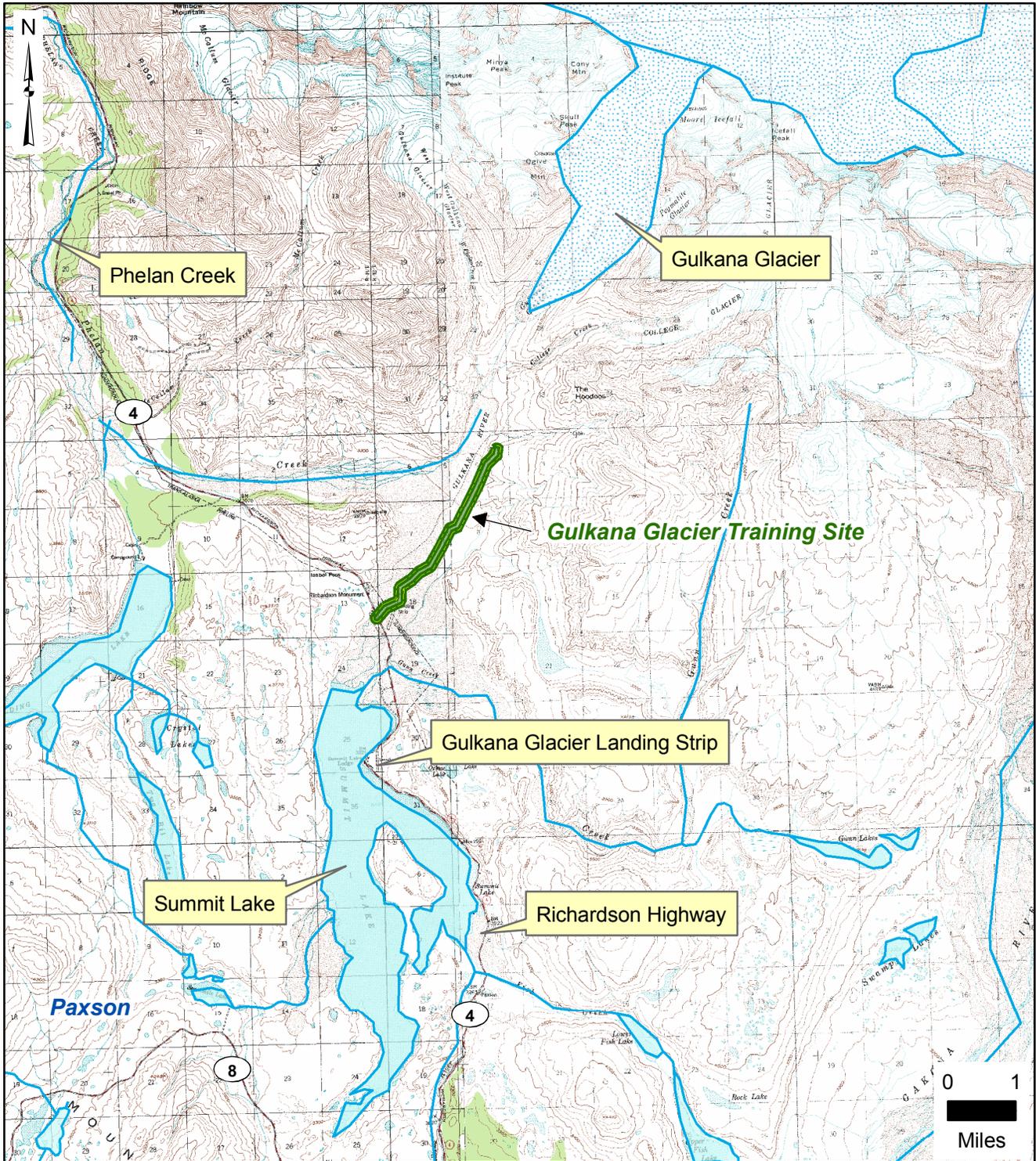
ABBREVIATIONS/ACRONYMS

ARID-GEO	Army Range Inventory Database-Geodatabase
CSM	Conceptual Site Model
DoD	Department of Defense
MCOG	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
ROTC	Reserve Officer Training Corps
TS	Training Site
U.S.	United States
USACE	United States Army Corps of Engineers



**Operational Range Assessment Program
Phase I Qualitative Assessment
Gulkana Glacier Training Site, AK**

**Figure 2-1
Gulkana Glacier Training Site
Location and Operational Range Area**



Installation Data

- Installation Boundary
- Operational Range Area

Highways

- Highway

Hydrology

- Rivers/Streams
- Waterbody
- Glacier

Data Sources:
ARID-GEO, June 2006
ESRI, StreetMap, 2006

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