



FINAL

# Operational Range Assessment Program Phase I Qualitative Assessment Report Knik 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 the U.S. Army Garrison – Alaska, Knik 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.

Knik Glacier TS is a sub-installation of U.S. Army Garrison Fort Richardson, and is located in southern Alaska approximately 48 miles northeast of Anchorage and 24 miles southeast of Palmer. The training site is comprised of one operational range encompassing 5,820.49 acres. There is no non-operational acreage associated with Knik Glacier TS. From 1963 to the mid-to-late 1980s, Knik Glacier TS was used as a maneuver training area for such activities as glacial travel training, ice climbing, rescue techniques, and glacial warfare (Army Range Inventory Database-Geodatabase, 2006); no training has occurred at Knik Glacier TS since that time.

A review of available records and background data, as well as an interview with Army personnel, indicated that the range at Knik Glacier TS has never been used for training involving live-fire military munitions; however, small caliber blanks were likely used during training exercises. Because historical training activities at Knik Glacier TS have not involved the use of live-fire 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 Knik 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 Knik Glacier Training Site**

Category	Total Number of Ranges and Acreage	Source(s)	Pathways(s)	Human and Ecological Receptors	Conclusions
Unlikely	1 operational range; 5,820.49 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

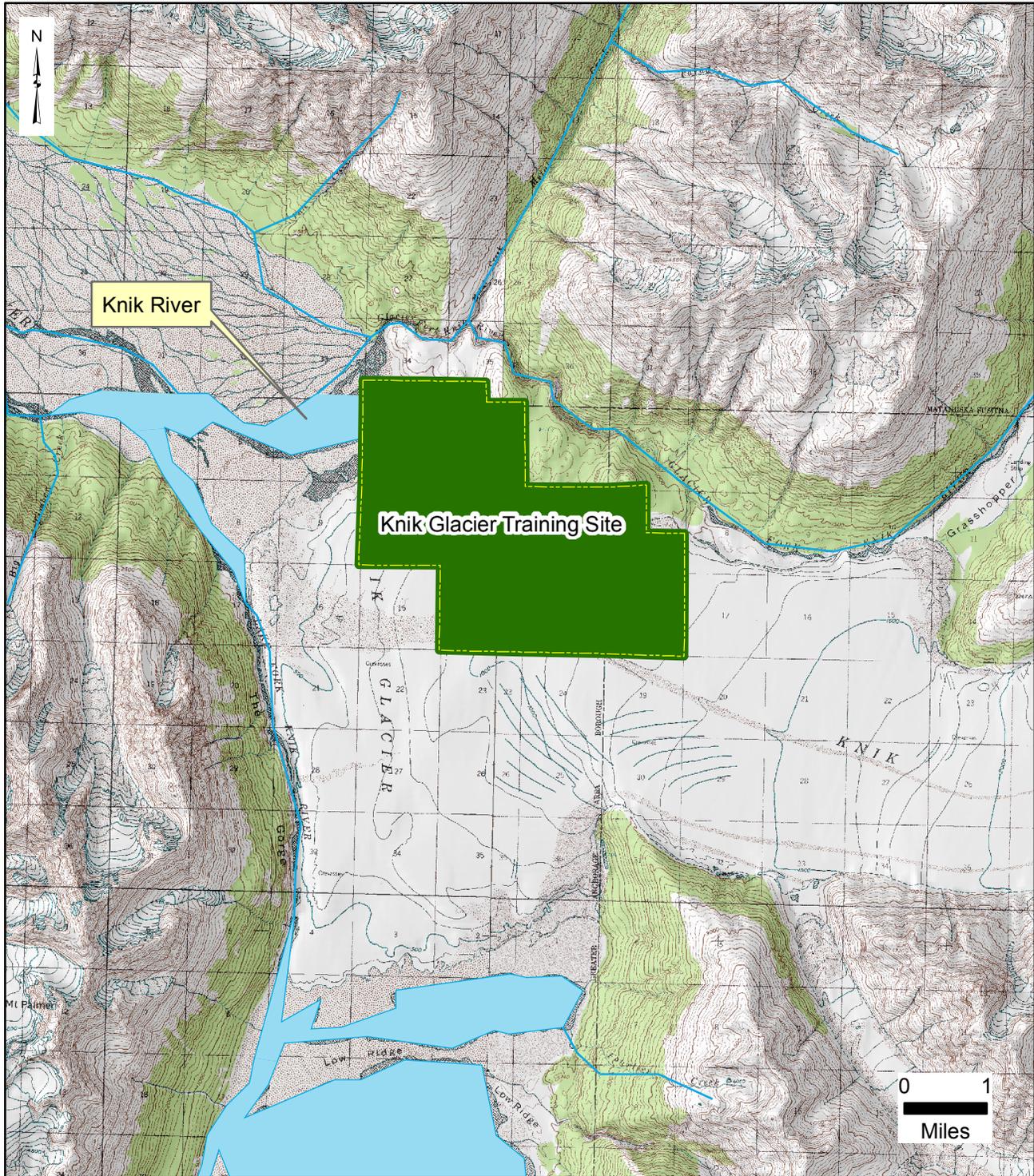
ARID-GEO	Army Range Inventory Database-Geodatabase
CSM	Conceptual Site Model
DoD	Department of Defense
MCOG	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
TS	Training Site
U.S.	United States
USACE	United States Army Corps of Engineers



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



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



**Installation Data**

Installation Boundary

Operational Range Area

**Hydrology**

Rivers/Streams

Waterbody

Data Sources:  
ARID-GEO 01 May 2006  
ACSIM

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