



FINAL

Operational Range Assessment Program  
Phase I Qualitative Assessment Report  
Maluhia Local Training Area, Maui, Hawai'i  
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 Maluhia Local Training Area (LTA) 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.

Maluhia LTA is comprised of 69.99 acres of land located in Maui County, Hawai'i on the northwest portion of the island of Maui. Based on available Army Range Inventory Database-Geodatabase (ARID-GEO) data (dated 22 March 2006), Maluhia LTA consists of a single 69.99-acre operational range that is authorized for use by Hawai'i Army National Guard (HIARNG) units as a training and maneuver area for light forces.

A review of available records and background data as well as interviews with installation personnel indicate that the operational range area at Maluhia LTA has never been used for training involving military munitions (live-fire or non-live-fire). The range has only been used for river and bridge crossing exercises over the Makamakaole Stream (HIARNG Maui Consolidated Readiness Center Armory Staff, pers.comm.). Because training activities do not involve, and historically have not involved, the use of military munitions, there are no potential sources of MCOC. Therefore, potential off-range migration pathways and potential off-range human and/or ecological receptors were not evaluated, and the range at Maluhia LTA is categorized as Unlikely.

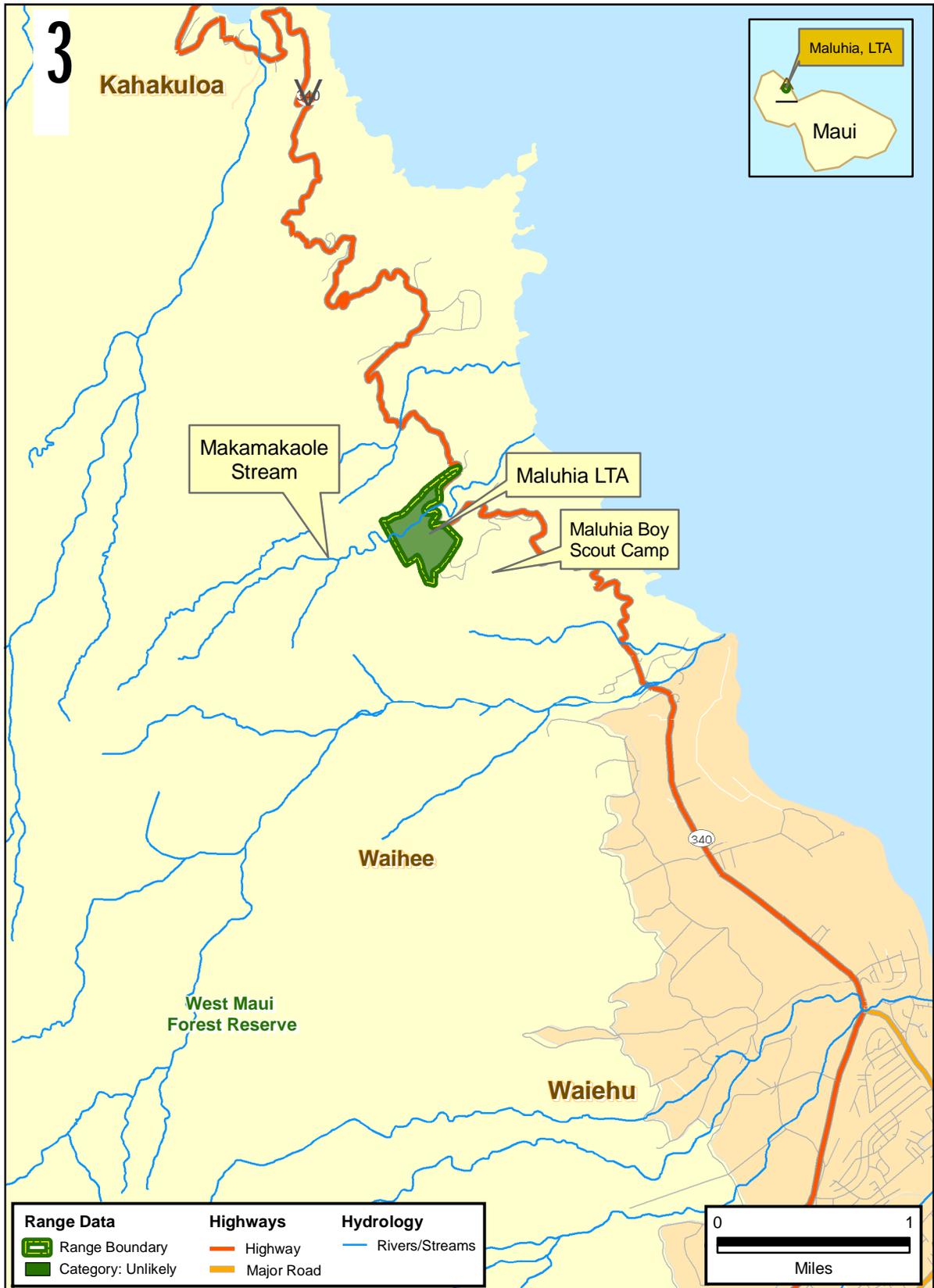
Installations with operational ranges where no munitions or only small caliber blanks have been utilized are categorized as Unlikely. That is, based on a review of available information, there is sufficient evidence to show that due to the lack of munitions use there are no known releases or source-receptor 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 Maluhia LTA**

Category	Total Number of Ranges and Acreage	Source(s)	Pathways(s)	Human and Ecological Receptors	Conclusions
Unlikely	One operational range; 69.99 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
HIARNG	Hawai'i Army National Guard
LTA	Local Training Area
MCOG	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
U.S.	United States
USACE	United States Army Corps of Engineers



**Qualitative Operational Range Phase I Assessment  
Maluhia LTA**

**Maui, HI**

Figure 2-1

General Range Location and Operational Range Area

Data Sources:  
ARID-GEO 24 Sept. 2001  
ESRI StreetMap USA, 2005

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