

**FINAL  
OPERATIONAL RANGE ASSESSMENT PROGRAM  
PHASE I QUALITATIVE ASSESSMENT REPORT  
LAKE PARADISE LOCAL TRAINING AREA  
MATTOON, ILLINOIS**

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JANUARY 2009

Prepared for:

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## ABBREVIATIONS/ACRONYMS

ARID-GEO	Army Range Inventory Database-Geodatabase
CSM	Conceptual Site Model
CTT	Common Tasks Training
DoD	Department of Defense
ERT	Earth Resources Technology, Inc.
GIS	Geographic Information System
ILARNG	Illinois Army National Guard
JFHQ	Joint Force Headquarters
LTA	Local Training Area
MCOC	Munitions Constituents of Concern
NCO	Non Commissioned Officer
ORAP	Operational Range Assessment Program
POTO	Plans, Operations, and Training Officer
RFMSS	Range Facility Management Support System
U.S.	United States
USACE	United States Army Corps of Engineers

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## 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 Lake Paradise 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.

Lake Paradise LTA is comprised of 192.74 acres in Coles County, Illinois. The site is located approximately seven miles southwest of the Mattoon City center, adjacent to a city-owned reservoir, Lake Paradise. According to the Army Range Inventory Database-Geodatabase from 2006, one maneuver and training area is present at the LTA which encompasses the entire 192.74 acres.

A review of available records and background data, as well as interviews with Illinois Army National Guard (ILARNG) personnel, indicate that the range at Lake Paradise LTA has not been used for training involving live-fire military munitions; only small caliber blank ammunition were used approximately twice within the past 20 years (Personal Communication, Assistant Readiness Non Commissioned Officer[NCO], 2008). Lake Paradise LTA was established as a light maneuver and training area (date unknown) and has been inactive since 2000 (Personal Communication, Plans and Training Officer, 2008). ILARNG was not able to provide any information or documentation pertaining to the ownership of Lake Paradise LTA. Training activities that have occurred at Lake Paradise LTA in the past include Common Task Training, first aid, hand to hand combat, and force on force training (Personal Communication, Assistant Readiness NCO, 2008). Because training activities involved blank munitions only, there are no potential sources of MCOC present at the training area. Therefore, potential off-range migration pathways and potential off-range human and ecological receptors were not evaluated, and the one operational range at Lake Paradise LTA has been 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 Lake Paradise LTA**

<b>Category</b>	<b>Total Number of Ranges and Acreage</b>	<b>Source(s)</b>	<b>Pathways(s)</b>	<b>Human and Ecological Receptors</b>	<b>Conclusions</b>
Unlikely	One operational range; 192.74 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. No source was identified.