

**FINAL  
OPERATIONAL RANGE ASSESSMENT PROGRAM  
PHASE I QUALITATIVE ASSESSMENT REPORT  
OLD LITCHFIELD LAKE TRAINING AREA  
LITCHFIELD, ILLINOIS**

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Prepared for:

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## ABBREVIATIONS/ACRONYMS

ARID-GEO	Army Range Inventory Database-Geodatabase
CSM	Conceptual Site Model
DMAIL	Department of Military Affairs, Illinois
DoD	Department of Defense
ERT	Earth Resources Technology
GIS	Geographic Information System
ILARNG	Illinois Army National Guard
MCOC	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
REC	Record of Environmental Consideration
RFMSS	Range Facility Management Support System
TA	Training Area
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 Old Litchfield Lake Training Area (TA) 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.

Old Litchfield Lake TA is located in west-central Illinois within the City of Litchfield, Montgomery County. According to the Army Range Inventory Database-Geodatabase from 2006, Old Litchfield Lake TA encompasses 152.01 acres; however, based on the boundaries documented in the Intergovernmental Agreement (Department of Military Affairs, Illinois [DMAIL], 1992), the acreage of the TA is approximately 250 acres. One light maneuver and training range encompassing the entire 250 acres is present.

Old Litchfield Lake TA is owned by the City of Litchfield and has been leased by the DMAIL for training since March 1992 via Intergovernmental Agreement (DMAIL, 1992). The training area is listed as active, but has not been used in approximately three years (Personal Communication, Plans, Operations, and Training Officer, 2008). When in use, training activities take place approximately three times a year for tactical light infantry training. Training conducted at Old Litchfield Lake TA is limited to company-level training for bivouacking, dismounted maneuvers, practical training and assault training. A review of available records, as well as an interview with Illinois Army National Guard personnel, indicated that the only munitions used at the range at Old Litchfield Lake TA are small caliber blanks. As specified in the Record of Environmental Consideration, companies utilizing the training area are to remove all brass casings when training is completed (DMAIL, 1992). Because training activities involve 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 range at Old Litchfield Lake TA 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 Old Litchfield Lake TA**

<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; 250 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.