



# FINAL

## Operational Range Assessment Program Phase I Qualitative Assessment Report

### Bullville Local Training Area, New York

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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## ABBREVIATIONS/ACRONYMS

ARID-GEO	Army Range Inventory Database-Geodatabase
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CSM	Conceptual Site Model
DoD	Department of Defense
DODI	Department of Defense Instruction
E	Ecological receptors identified. (This refers to range grouping; pathway designation always precedes E designation.)
ESRI	Environmental Systems Research Institute, Inc.
GW	Groundwater pathway identified. (This refers to range grouping; M designation always precedes GW designation.)
H	Human receptors identified. (This refers to range grouping; pathway designation always precedes H designation.)
LS	Limited Source
LTA	Local Training Area
M	Munitions used. (This refers to range grouping; M designation always precedes applicable pathway.)
MCOG	Munitions Constituents of Concern
NRCS	Natural Resources Conservation Service
ORAP	Operational Range Assessment Program
PU	Pathway unlikely or incomplete. (This refers to range grouping; M designation always precedes PU designation.)
SW	Surface water pathway identified. (This refers to range grouping; M designation always precedes SW designation.)
U.S.	United States
USACE	United States Army Corps of Engineers
USACHPPM	United States Army Center for Health Promotion and Preventive Medicine
USAEC	United States Army Environmental Command
USARC	United States Army Reserve Center
USEPA	United States Environmental Protection Agency
°F	Degrees Fahrenheit

## **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 (ORAP). This Phase I Assessment evaluates the operational range area at Bullville 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.

Bullville LTA occupies 157 acres of land near Bullville, New York. The facility opened in 1960, and is owned by the Department of Defense and operated by the 77<sup>th</sup> Regional Readiness Command of the U.S. Army Reserve Center. Bullville LTA provides administrative and training support to the 77<sup>th</sup> Regional Readiness Command and also serves as a military equipment park.

The site consists of a single maneuver and training area encompassing 154 acres. The training area is primarily used by construction engineers stationed at Bullville LTA for training with medium and heavy construction equipment. Small caliber munitions have been used in the maneuver and training area. However, the infrequent use and limited quantity of small caliber munitions serve to limit the potential for MCOC migration off of the operational range at concentrations that may pose an unacceptable risk to human health or the environment.

The single operational range at Bullville LTA is categorized as Unlikely.

### **Unlikely – Five-Year Review**

The single range at Bullville LTA is categorized as Unlikely, totaling 154 acres. This range consists of a maneuver and training area. Based upon a review of readily available information, ranges where there is sufficient evidence to show that there are no known releases or source-receptor interactions off-range that could present an unacceptable risk to human health or the environment are categorized as Unlikely. 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 Bullville Local Training Area**

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human Receptors	Ecological Receptors	Conclusions and Rationale
Unlikely	1 operational range; 154 acres	No source—limited or no military munitions use		Not evaluated (no source identified)		Re-evaluate during the five-year review. No source was identified.