

**FINAL
OPERATIONAL RANGE ASSESSMENT PROGRAM
PHASE I QUALITATIVE ASSESSMENT REPORT
TARLTON LOCAL TRAINING AREA
TARLTON, OHIO**

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Prepared for:

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The logo for Malcolm Pirnie, Inc. features the company name in a bold, white, sans-serif font. The word "MALCOLM" is positioned above "PIRNIE". The letter "I" in "PIRNIE" is stylized, appearing as a vertical bar that extends downwards and slightly to the right, creating a unique graphic element. The entire logo is set against a solid black rectangular background.

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 Tarlton 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.

Tarlton LTA encompasses approximately 104 acres in Fairfield County, Ohio, that is owned by the State of Ohio Adjutant Generals Department (OHARNG, 2008). The installation is located approximately nine miles southeast of Circleville, Ohio, and approximately 14 miles southwest of Lancaster, Ohio. According to the Army Range Inventory Database-Geodatabase (ARID-GEO) from 2007, the installation contains one range that is used as a maneuver training area and a land navigation course. Range boundaries in ARID-GEO (2007) differ from those provided by the Ohio Army National Guard (OHARNG); this Phase I Assessment uses the data provided by the OHARNG. The range encompasses 98.6 acres, and the remaining 5.3 acres at the installation are other than operational area (OHARNG, 2008).

A review of available records and background data and an interview with installation personnel indicate that the range at Tarlton LTA has never been used for training involving live-fire military munitions. Only small caliber blanks have been fired at the installation. Training currently conducted at Tarlton LTA is limited to light infantry practice and field exercises. Because training activities do not involve, and historically have not involved, the use of live-fire military munitions, there are no potential sources of MCOC at the installation. Therefore, potential off-range migration pathways and potential off-range human and ecological receptors were not evaluated, and the range at Tarlton 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 Tarlton LTA

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human and Ecological Receptors	Conclusions
Unlikely	One operational range; 98.6 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
GIS	Geographic Information System
LTA	Local Training Area
MCOC	Munitions Constituents of Concern
OHARNG	Ohio Army National Guard
ORAP	Operational Range Assessment Program
U.S.	United States
USACE	United States Army Corps of Engineers

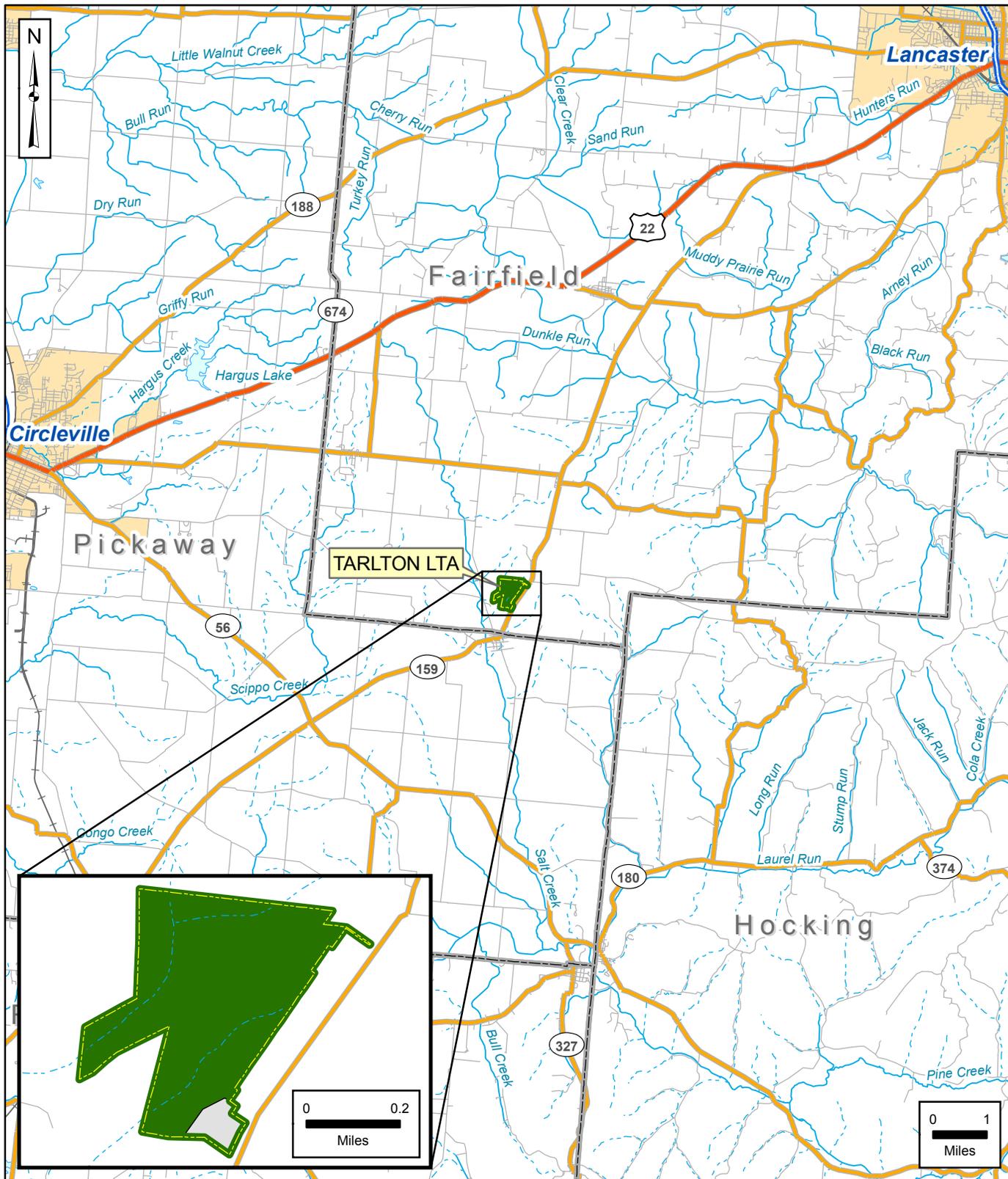


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**Figure 2-1
General Tarlton LTA Location and Operational Range Areas**



Installation

- Installation Boundary
- Operational Area
- Other than Operational Area

Hydrology

- River/Stream (Perennial)
- Stream (Intermittent)
- Water Body

Transportation

- Interstate
- Highway
- Major Road
- Local Road
- Railroad

Administrative

- County Boundary
- Urbanized Area

Data Sources:
OHARNG, 2008
ESRI, StreetMap USA, 2005

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