

**FINAL  
OPERATIONAL RANGE ASSESSMENT PROGRAM  
PHASE I QUALITATIVE ASSESSMENT REPORT  
WASHINGTON COUNTY MEMORIAL UNITED STATES ARMY  
RESERVE CENTER AND LOCAL TRAINING AREA  
MARIETTA, OHIO**

---

MARCH 2008

Prepared for:

**UNITED STATES ARMY CORPS OF ENGINEERS, BALTIMORE DISTRICT**  
P.O. Box 1715  
Baltimore, Maryland 21203

and

**UNITED STATES ARMY ENVIRONMENTAL COMMAND**  
Aberdeen Proving Ground, Maryland 21010

Prepared by:

**MALCOLM PIRNIE, INC.**  
824 Market Street  
Suite 820  
Wilmington, Delaware 19801



## 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 the 88th Regional Readiness Command Washington County Memorial United States Army Reserve Center (USARC) and 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.

The Washington County Memorial USARC and LTA encompasses approximately 21 acres, of which 16.3 acres comprise the LTA. The installation is located approximately four miles southeast of Marietta, just south of Reno, on the eastern bank of the Ohio River in Washington County, Ohio. The installation contains administrative, vehicle maintenance, classroom facilities, and a training area, historically used by the 463rd Engineer Battalion.

A review of available records and background data, as well as interviews with installation personnel, indicated that the Washington County Memorial USARC and LTA has never been used for training involving military munitions (live-fire or non-live-fire). No training activities are currently conducted at the site. 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 ecological receptors were not evaluated, and the range at the Washington County Memorial USARC and LTA is categorized as Unlikely.

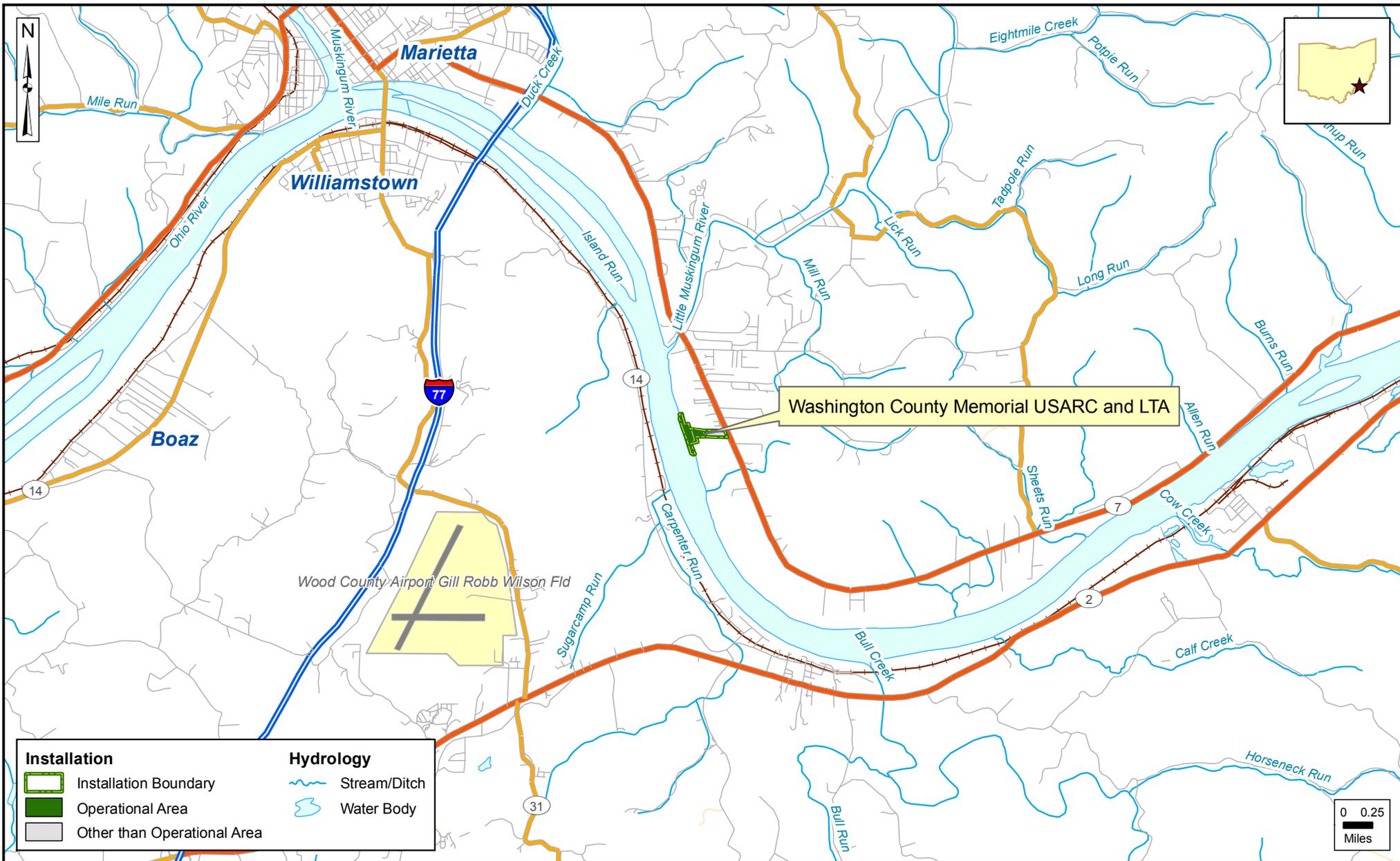
Installations with operational ranges where no munitions or only small caliber blanks have been utilized are categorized as Unlikely. That is, based on a review of available information, there is sufficient evidence to show that due to the lack of munitions use there are no known releases or source-receptor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

Category	Total Number of Ranges and Acreage	Source(s)	Pathways(s)	Human and Ecological Receptors	Conclusions
Unlikely	One operational range; 16.3 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
MCOG	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
RRC	Regional Readiness Command
U.S.	United States
USACE	United States Army Corps of Engineers
USARC	United States Army Reserve Center



**Operational Range Assessment Program  
Phase I Qualitative Assessment  
Washington County Memorial USARC and LTA, OH**

**Figure 2-1**

**General Location and Operational Range Area of Washington County Memorial USARC and LTA**

Data Sources:  
AEC, GIS Data, 2002  
ESRI, StreetMap USA, 2005

Date: ..... March 2008  
Prepared By: ..... Malcolm Pirnie, Inc.  
Prepared For: ..... U.S. Army  
Contract: ..... W912DR-05-D-0004