

**FINAL  
OPERATIONAL RANGE ASSESSMENT PROGRAM  
PHASE I QUALITATIVE ASSESSMENT REPORT  
CAMP MURRAY  
TILlicUM, WASHINGTON**

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Prepared for:

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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 Camp Murray 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.

Camp Murray encompasses approximately 295 acres in Pierce County, Washington. The local training area (LTA) is adjacent to the city of Tillicum to the north, American Lake to the west, Interstate 5 and Madigan Army Medical Center to the east, and the U.S. Army installation Fort Lewis to the south (FPM Group, 2008). Camp Murray is located approximately 10 miles southwest of Tacoma and 36 miles southwest of Seattle, Washington. According to the Army Range Inventory Database-Geodatabase (ARID-GEO) from 2007, three operational ranges encompassing approximately 113 acres are present on Camp Murray. The operational ranges identified by ARID-GEO (2007) include a field training area encompassing 105.02 acres, an unsurfaced landing pad encompassing 3.20 acres, and a parade field encompassing 5.11 acres. The remaining 182 acres are considered other than operational area.

A review of available records and background data, as well as interviews with Camp Murray personnel, indicated that the ranges at Camp Murray have never been used for training involving live-fire military munitions. Training currently conducted at Camp Murray is limited to field training exercises, airfield landing activities, and military ceremonies. The Washington Army National Guard fires blank cannon ammunition approximately once or twice a year at the parade field (during ceremonies such as changes of command and graduations). Because training activities do not involve, and historically have not involved, the use of live 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 ranges at Camp Murray are categorized as Unlikely.

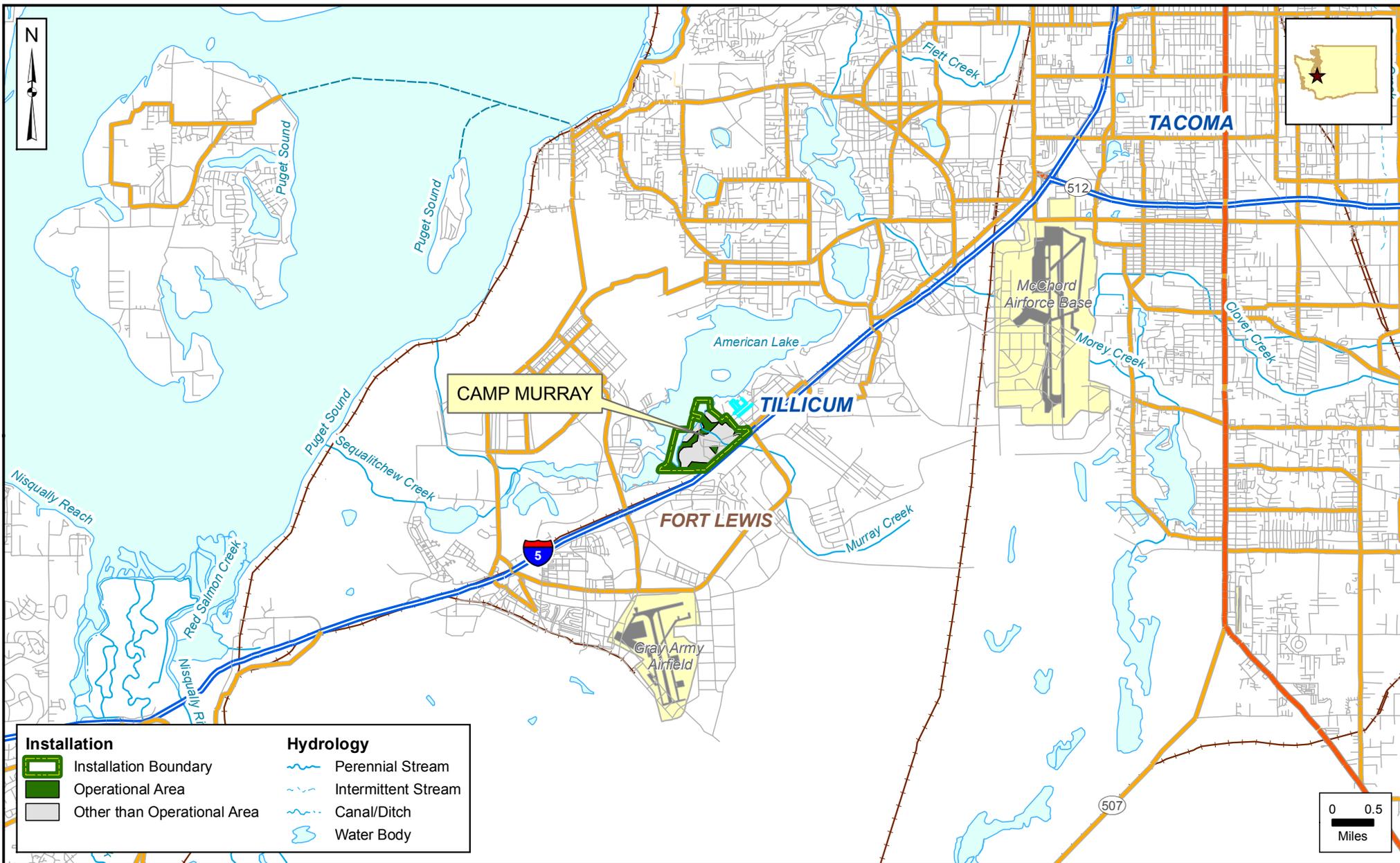
Training sites with operational ranges where no munitions or only blank munitions have been utilized are categorized as Unlikely. That is, based on a review of available information, there is sufficient evidence to show that due to the lack of munitions use there are no known releases or source-receptor 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 Camp Murray**

<b>Category</b>	<b>Total Number of Ranges and Acreage</b>	<b>Source(s)</b>	<b>Pathway(s)</b>	<b>Human and Ecological Receptors</b>	<b>Conclusions</b>
Unlikely	Three operational ranges; 113 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
CFMO	Construction and Facilities Management Office
CSM	Conceptual Site Model
CTT	Closed, Transferring, and Transferred
DoD	Department of Defense
GIS	Geographic Information System
LTA	Local Training Area
MCOC	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
U.S.	United States
USACE	United States Army Corps of Engineers
WAARNG	Washington Army National Guard



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**Operational Range Assessment Program  
Phase I Qualitative Assessment  
Camp Murray, WA**

**Figure 2-1  
General Camp Murray Site Location and Operational Range Area**

Data Sources:  
AEC, ARID-GEO, 2007  
ESRI, StreetMap USA, 2005

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