

**FINAL  
OPERATIONAL RANGE ASSESSMENT PROGRAM  
PHASE I QUALITATIVE ASSESSMENT REPORT  
POVERTY FLATS LOCAL TRAINING AREA  
SEVIER COUNTY, UTAH**

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MARCH 2008

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 at the Poverty Flats 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.

Although the correct name of the facility is the Richfield LTA, this report uses Poverty Flats LTA for consistency with the Operational Range Inventory Sustainment. The Poverty Flats LTA occupies approximately 448 acres in Sevier County, Utah. The LTA lies approximately three miles southeast of the town of Joseph, four miles southwest of the city of Monroe, and seven miles southwest of the town of Elsinore, Utah. The primary mission of the LTA is to serve as a local training and maneuver area for the Utah Army National Guard (UTARNG). The one operational range at the LTA occupies all 448 acres. The LTA is typically used nine weekends or fewer annually and has had infrequent use during the last three years because many of the UTARNG units have been deployed. Munitions used at the LTA include pyrotechnics and blank small arms ammunition. No live-fire or demolition training is conducted by any units using the Poverty Flats LTA.

The operational range at the Poverty Flats LTA is categorized as Unlikely.

### **Unlikely – Five-Year Review**

The 448-acre operational range at the Poverty Flats LTA is categorized as Unlikely. Ranges where, based upon a review of readily available information, there is sufficient evidence to show that there are no known releases or source-receptor interactions on ranges 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.

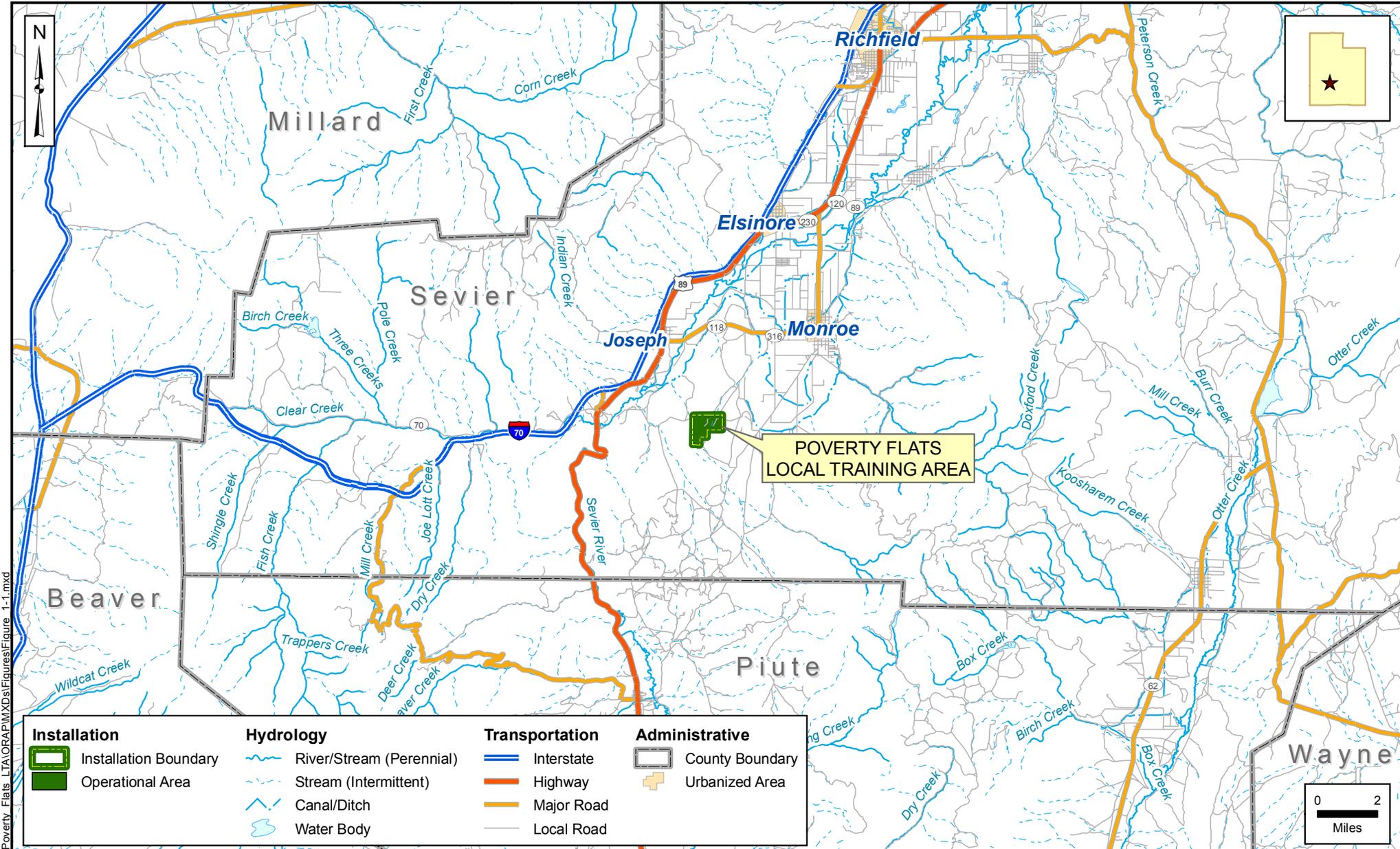
**Table ES-1** summarizes the Phase I Assessment findings.

**Table ES-1: Summary of Findings and Conclusions for the Poverty Flats LTA**

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human Receptors	Ecological Receptors	Conclusions and Rationale	
Unlikely	One operational range; 448 acres	Limited source – limited military munitions use				Not evaluated (limited source was identified)	Re-evaluate during the five-year review. Limited source was identified.

## ABBREVIATIONS/ACRONYMS

BGS	Below Ground Surface
BLM	Bureau of Land Management
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.)
EA	Environmental Assessment
GIS	Geographic Information System
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.)
MCOC	Munitions Constituents of Concern
MTA	Major Training Area
OHV	Off-Highway Vehicle
ORAP	Operational Range Assessment Program
PU	Pathway unlikely or incomplete. (This refers to range grouping; M designation always precedes PU designation.)
SITLA	School and Institutional Trust Lands Administration
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
USEPA	United States Environmental Protection Agency
UTARNG	Utah Army National Guard
°F	degrees Fahrenheit



Installation	Hydrology	Transportation	Administrative
Installation Boundary	River/Stream (Perennial)	Interstate	County Boundary
Operational Area	Stream (Intermittent)	Highway	Urbanized Area
	Canal/Ditch	Major Road	
	Water Body	Local Road	

**Operational Range Assessment Program**  
**Phase I Qualitative Assessment**  
**Poverty Flats Local Training Area, UT**  
**Figure 1-1**  
**General Poverty Flats Local Training Area Location**

Data Sources:  
 Utah National Guard, 2002  
 ESRI, StreetMap USA, 2005  
  
 Date: ..... August 2007  
 Prepared By: ..... Malcolm Pirnie, Inc.  
 Prepared For: ..... U.S. Army  
 Contract: ..... W912DR-05-D-0004



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