

**FINAL
OPERATIONAL RANGE ASSESSMENT PROGRAM
PHASE I QUALITATIVE ASSESSMENT REPORT
E.T. SIMONDS CONSTRUCTION TRAINING AREA
WEST FRANKFORT, ILLINOIS**

JANUARY 2009

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.
701 Town Center Drive
Suite 600
Newport News, Virginia 23606



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 E.T. Simonds Construction Training Area (TA) 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.

E.T. Simonds Construction TA encompasses approximately 9.24 acres in Franklin County, Illinois, approximately 27 miles northeast of Carbondale, Illinois. The E.T. Simonds Construction TA property is privately owned by E.T. Simonds Construction Company. The Illinois Army National Guard (ILARNG) entered into a lease agreement with the E.T. Simonds Construction Company in 2001 to utilize the property as a local training area. According to the Army Range Inventory Database-Geodatabase (2006), the site is identified as a light maneuver/training area and has been used exclusively by the 123rd Field Artillery, ILARNG to conduct weekend training events, consisting of gun crew drills, communications training, and fire direction control training. Currently, no ILARNG training activities are conducted at E.T. Simonds Construction TA; historical munitions use at the site by the ILARNG has included small caliber blank munitions.

A review of available records and background data, as well as interviews with ILARNG personnel, indicate that training activities at E.T. Simonds Construction TA do not involve, and historically have not involved, the use of military munitions except for small caliber blanks. Small caliber blanks contain no projectile and are not considered to be a source of MCOC. Potential sources of MCOC were not identified at E.T. Simonds Construction TA; therefore, potential off-range migration pathways and potential off-range human and ecological receptors were not evaluated. The one operational range area at E.T. Simonds Construction TA 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 E.T. Simonds Construction TA

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human and Ecological Receptors	Conclusions
Unlikely	One operational range; 9.24 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
ILARNG	Illinois Army National Guard
JFHQ-IL	Joint Force Headquarters-Illinois
MCOC	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
TA	Training Area
U.S.	United States
USACE	United States Army Corps of Engineers

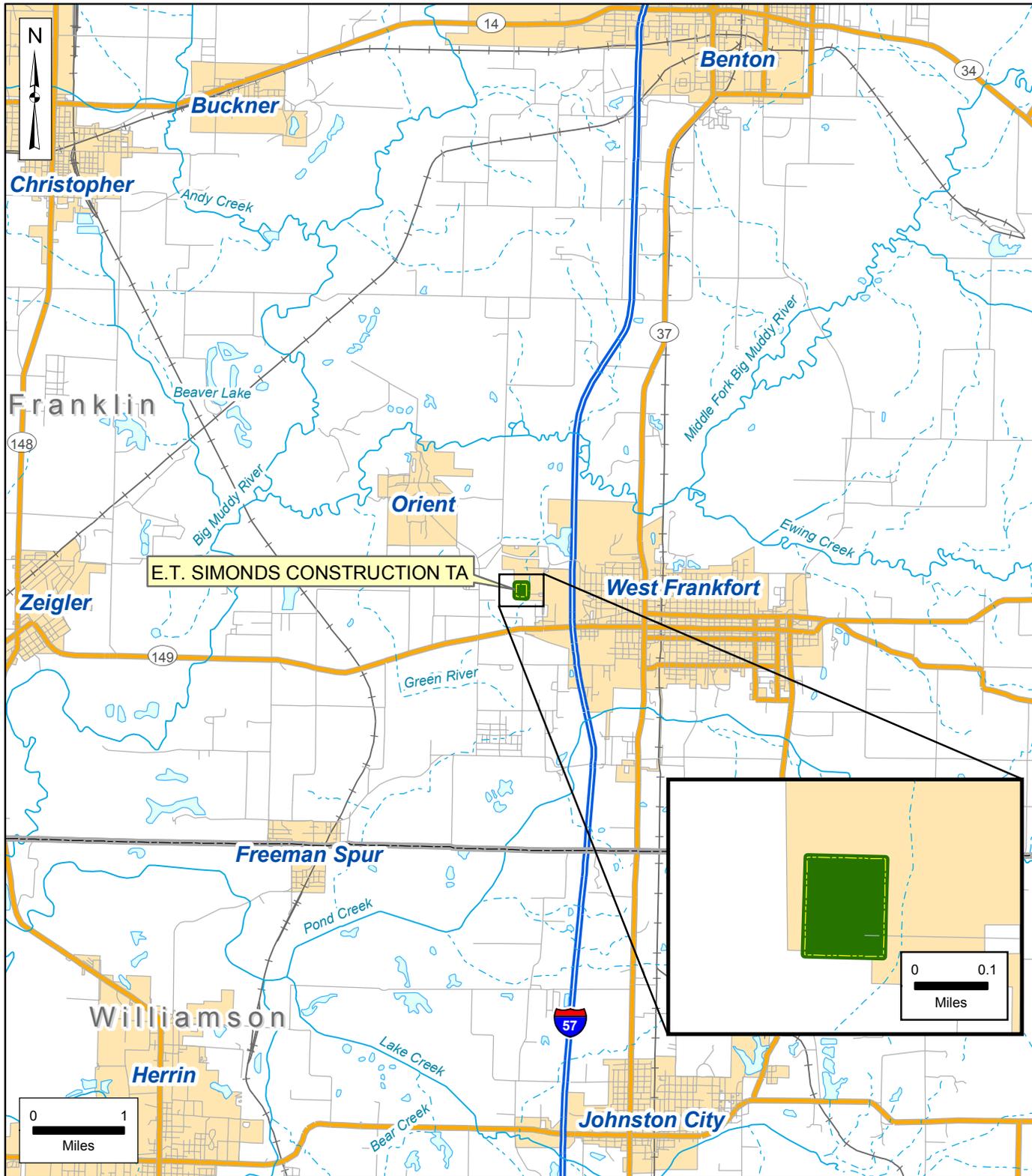


**MALCOLM
PIRNE**

**Operational Range Assessment Program
Phase I Qualitative Assessment
E.T. Simonds Construction TA, IL**



**Figure 2-1
E.T. Simonds Construction TA Location
and Operational Range Area**



Installation
 Installation Boundary
 Operational Area

Hydrology
 Perennial Stream
 Intermittent Stream
 Water Body

Transportation
 Interstate
 Highway
 Major Road
 Local Road
 Railroad

Administrative
 County Boundary
 Urbanized Area

Data Sources:
 AEC, ARID-GEO, 2006
 ESRI, StreetMap USA, 2005

Date:January 2009
 Prepared By: Malcolm Pirnie, Inc.
 Prepared For: U.S. Army
 Contract: W912DR-05-D-0004

S:\Projects\ARMY\Installations\ET_Simonds_Cons_TA\ORAP\MXDs\Figure_2-1.mxd