

**FINAL
OPERATIONAL RANGE ASSESSMENT PROGRAM
PHASE I QUALITATIVE ASSESSMENT REPORT
PAISLEY LOCAL TRAINING AREA
PAISLEY, FLORIDA**

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.
1300 East 8th Avenue
Suite F100
Tampa, Florida 33605



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 Paisley 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.

Paisley LTA covers approximately 11,300 acres in Lake County, Florida. It is located approximately one-quarter of a mile northwest of Paisley, Florida, in the southeastern corner of the Ocala National Forest. The United States Department of Agriculture (USDA) Forest Service owns the site and the surrounding undeveloped land. The site has been utilized by the Florida Army National Guard (FLARNG) since the 1950s through land use agreements with the USDA Forest Service. According to the Army Range Inventory Database-Geodatabase (ARID-GEO, 2005), the site consists of a single operational range used as a light infantry maneuver area. The site is utilized by the 2nd Battalion, 124th Infantry Regiment.

A review of available records and background data, as well as interviews with USDA Forest Service and FLARNG personnel, indicated that the range at Paisley LTA has not been used for training involving live-fire military munitions. Training currently conducted at Paisley LTA is limited to simulated light infantry squad and platoon attack and defense scenarios using blank ammunition. The FLARNG typically trains at the site no more than five weekends per year. Historically (pre-1998), training activities involved the occasional use of pyrotechnics and/or smoke grenades; however, the FLARNG was required to remove munitions debris at the conclusion of training events.

Unlikely – Five-Year Review

The single operational range at Paisley LTA is categorized as Unlikely, totaling 11,300 acres. This range is a light infantry maneuver area. Because historical training activities involved a limited source of military munitions, which were collected and removed at the conclusion of training exercises, and current activities involve only the use of small caliber blanks, which are collected and removed, there are very limited potential sources of MCOC. 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 range 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 Paisley LTA

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human Receptors	Ecological Receptors	Conclusions and Rationale
Unlikely	One operational range; 11,300 acres	Limited source – no current or historical use of live-fire military munitions; limited use of small caliber blanks; limited historical use of pyrotechnics and smoke grenades				Not evaluated (limited source was identified) Re-evaluate during the five-year review. Limited source was identified.

ABBREVIATIONS/ACRONYMS

ARID-GEO	Army Range Inventory Database - Geodatabase
ARNG	Army National Guard
bgs	Below Ground Surface
ATV	All-Terrain Vehicle
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
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.)
FDEP	Florida Department of Environmental Protection
FDOH	Florida Department of Health
FGDL	Florida Geographic Data Library
FLARNG	Florida Army National Guard
FNAI	Florida Natural Areas Inventory
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.)
H/E	Human / Ecological
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
MGW	Munitions / Groundwater
MPU	Migration Pathway Unlikely
msl	Mean Sea Level
MSW	Munitions / Surface Water
MSWGW	Munitions / Surface Water and Groundwater
NWI	National Wetlands Inventory
ORAP	Operational Range Assessment Program
PU	Pathway unlikely or incomplete. (This refers to range grouping; M designation always precedes PU designation.)
PWS	Public Water Supply
RFE	Robert F. Ensslin
SSC	Species of Special Concern
SJRWMD	St. Johns River Water Management District
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
USDA	United States Department of Agriculture

USEPA	United States Environmental Protection Agency
WSRP	Water Supply Restoration Program
°F	Degrees Fahrenheit



Operational Range Assessment Program
Phase I Qualitative Assessment
Paisley LTA, FL

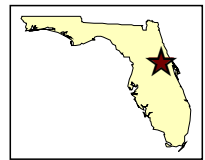
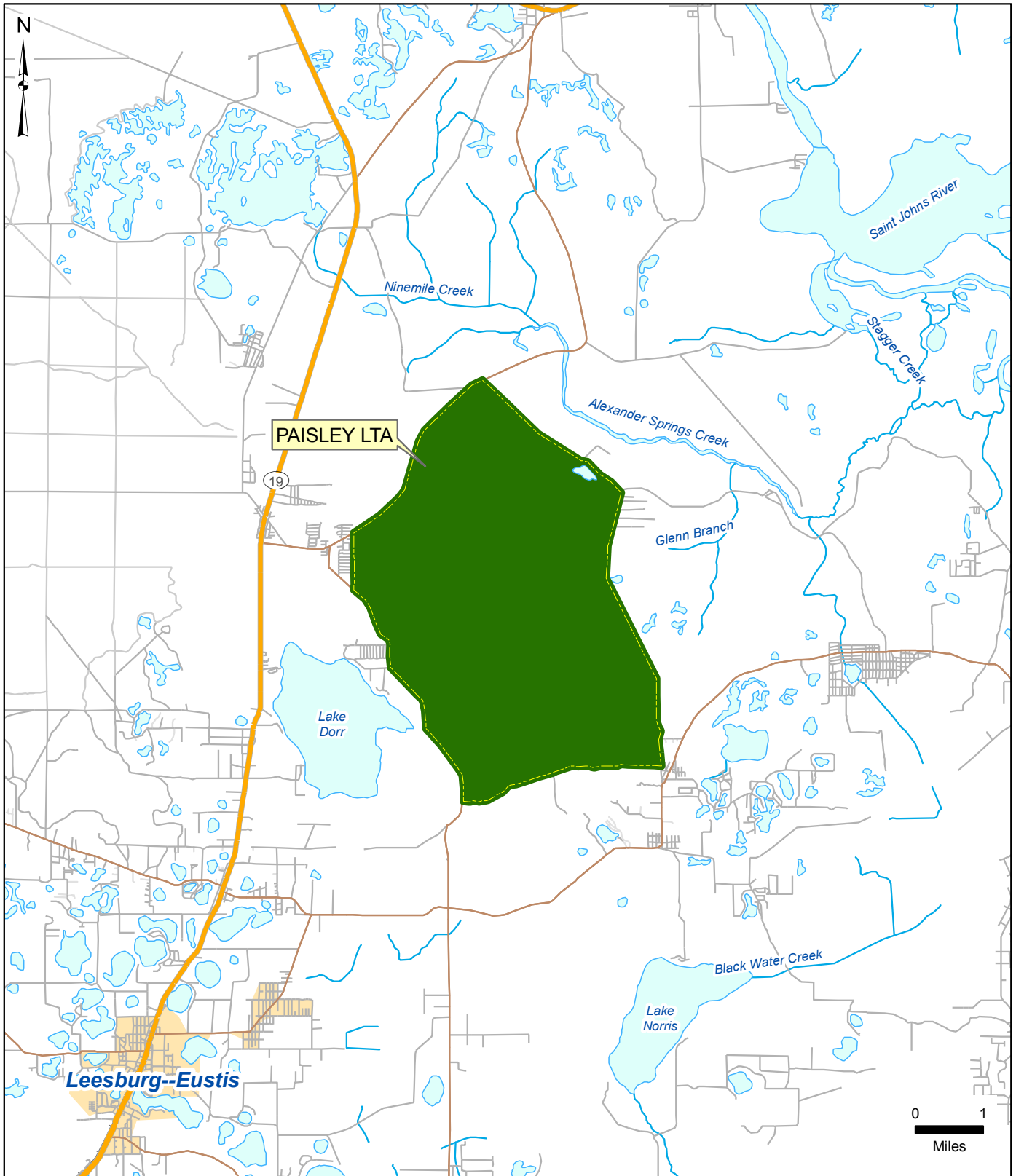


Figure 1-1
General Location and Operational Area



- Site**
- Training Site Boundary
 - Operational Area
 - Other than Operational Area

- Hydrology**
- Stream/River
 - Waterbody

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

Date: May 2007
Prepared By: Malcolm Pirnie, Inc.
Prepared For: U.S. Army
Contract: W912DR-05-D-0004