

**FINAL
OPERATIONAL RANGE ASSESSMENT PROGRAM
PHASE I QUALITATIVE ASSESSMENT REPORT
BUCKMAN
OCALA, FLORIDA**

MARCH 2008

Prepared for:

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The logo for Malcolm Pirnie, Inc. consists of the company name in a bold, white, sans-serif font. The word "MALCOLM" is positioned above the word "PIRNIE". Both words are contained within a solid black rectangular background.

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 Buckman 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.

According to the Army Range Inventory Database-Geodatabase (ARID-GEO) (2005), Buckman encompasses approximately 68 acres in Marion County, Florida, adjacent to the Ocklawaha River. Two operational ranges, Buckman and Eureka Dam, are listed as aircraft loading aprons. Buckman is located approximately one-half mile northeast of the town of Eureka on property controlled by the Florida Department of Environmental Protection Office of Greenways and Trails.

A review of available records and background data, as well as interviews with Ocala Armory personnel, indicated that the ranges at Buckman have never been used for training involving military munitions (live-fire or non-live-fire). Training is not currently conducted at Eureka Dam or Buckman ranges. Because training activities 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 ranges at Buckman are categorized as Unlikely.

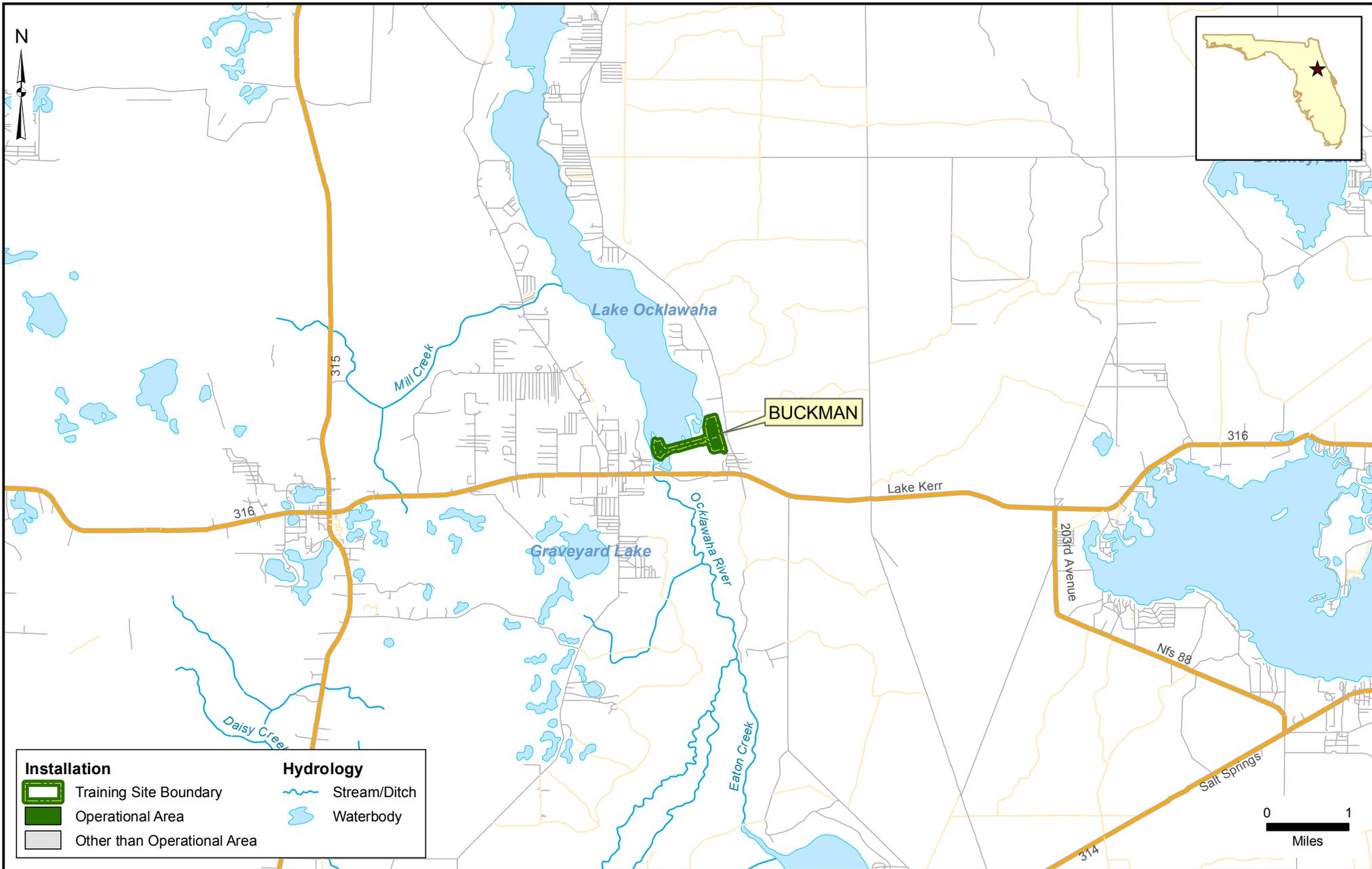
Installations with operational ranges where no munitions have been utilized or those where only small caliber blanks have been utilized are categorized as Unlikely. That is, based on a review of available information, there is sufficient evidence to show that due to the lack of munitions use there are 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 Buckman

Category	Total Number of Ranges and Acreage	Source(s)	Pathways(s)	Human and Ecological Receptors	Conclusions
Unlikely	Two operational ranges; 68 acres	No source – no current or historical use of military munitions (practice or live-fire)	Not evaluated (no source was 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
FDEP	Florida Department of Environmental Protection
FLARNG	Florida Army National Guard
GIS	Geographic Information System
ICRMP	Integrated Cultural Resources Management Plan
MCOC	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
U.S.	United States
USACE	United States Army Corps of Engineers



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**Operational Range Assessment Program
Phase I Qualitative Assessment
Buckman, FL**

**Figure 2-1
General Location and Operational Range Area**

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