



FINAL

Operational Range Assessment Program Phase I Qualitative Assessment Report Buckeye Training Site, Arizona

U.S. Army Operational Range Assessment Program
Qualitative Operational Range Assessments

Prepared for:

U.S. Army Environmental Command and
U.S. Army Corps of Engineers Baltimore District



Printed on
recycled
paper



April 2008

Final Operational Range Assessment Program Phase I Qualitative Assessment Range Assessment Reports will be released beginning in March 2008 per the Direction of Army Headquarters. The cover page of this Report reflects the official finalization date. The date on subsequent pages/figures reflects the date upon which this document's conclusions are based.



ABBREVIATIONS/ACRONYMS

ARID-GEO	Army Range Inventory Geodatabase
AZARNG	Arizona Army National Guard
CSM	Conceptual Site Model
DoD	Department of Defense
DODI	Department of Defense Instruction
FUDS	Formerly Used Defense Sites
MCOG	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
U.S.	United States
USACE	United States Army Corps of Engineers
°F	Degrees Fahrenheit

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 (ORAP). This Phase I Assessment evaluates Buckeye Training Site's operational range area 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/or ecological receptors are evaluated as appropriate.

Buckeye Training Site, formerly referred to as Buckeye National Guard Target Range, is located immediately north of Interstate-10 approximately 30 miles west of Phoenix, Arizona. The training site was created in 1910 for use by the Arizona Army National Guard (AZARNG) as a maneuver and training area. The site originally included two parcels, Tract A and Tract B. Tract A, now part of the Formerly Used Defense Sites program, has since been transferred to various owners (Aeppli et. al., 1987). Tract B, currently referred to as Buckeye Training Site, includes a single range encompassing 1,480.63 acres and is described by the 30 June 2005 Army Range Inventory Database-Geodatabase as a maneuver and training area for light forces.

A review of available records and background data, as well as interviews with AZARNG personnel, indicate that the range at Buckeye Training Site has never been used in training involving live-fire military munitions. The range at Buckeye Training Site has not been utilized for approximately seven to eight years. (Compliance Cleanup Manager, 2006). Historically, activities reportedly included drivers training, map and compass exercises, and communication exercises. Because training activities do not involve, and historically have not involved the use of live-fire military munitions, there are no potential sources of MCOC. Therefore, potential off-range migration pathways and potential off-range human and/or ecological receptors were not evaluated, and the range at Buckeye Training Site has been categorized as Unlikely.

Installations with operational ranges where no munitions, either live-fire or non-live-fire, have been utilized are automatically 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, 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 Buckeye Training Site

Category	Total Number of Ranges and Acreage	Source(s)	Pathways(s)	Human and Ecological Receptors	Conclusions
Unlikely	One operational range; 1,480.63 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