FINAL
Operational Range Assessment Program Phase I Qualitative Assessment Report Beech Fork State Park, West Virginia

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

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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.

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 Beech Fork State Park (Beech Fork) 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.

Beech Fork occupies 12,836.2 acres in southwestern West Virginia and is located five miles south of Huntington, West Virginia. Beech Fork is mostly located in Wayne County with a small section crossing into Cabell County. Beech Fork's primary mission is to serve as a training site for airborne operations. Beech Fork is owned by the U.S. Army Corps of Engineers and is leased to the West Virginia Department of Natural Resources.

As part of the Operational Range Inventory Sustainment, an update to the Army Range Inventory Database-Geodatabase (ARID-GEO) was submitted to the U.S. Army Environmental Command in June 2006 (ARID-GEO [2006]). The ARID-GEO (2006) identified one operational range area encompassing 12,836.2 acres. Interviews with West Virginia Army National Guard (WVARNG) personnel (Environmental personnel) indicated that no live-fire training is conducted at Beech Fork. Munitions use is limited to pyrotechnics/obscurants rounds used during training activities performed by the WVARNG. Munitions are used at the site fewer than three days per year, thereby limiting the source of potential MCOC.

Based on data collected during the Phase I Assessment regarding current and historical MCOC sources, potential migration pathways from ranges, and potential off-range human and/or ecological receptors, the operational range at Beech Fork has been placed into the following range grouping.

Unlikely – Five-Year Review

The one operational range at Beech Fork is categorized as Unlikely, totaling 12,836.2 acres. This range consists of a maneuver and training area. 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 off-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 Beech Fork

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human Receptors	Ecological Receptors	Conclusions and Rationale
Unlikely	1 operational range; 12,836.2 acres	No source – limited or no military munitions use	Not evaluated (no source was identified)			Re-evaluate during the five-year review. No source was identified.

ABBREVIATIONS/ACRONYMS

ARID-GEO	Army Range Inventory Database-Geodatabase
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.)
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
M	Munitions used. (This refers to range grouping; M designation always precedes applicable pathway.)
MCOC	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
NGB	Army National Guard Bureau
PU	Pathway unlikely or incomplete. (This refers to range grouping; M designation always precedes PU designation.)
RFMSS	Range Facility Management Support System
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
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
USFWS	United Stated Fish and Wildlife Service
WVARNG	West Virginia Army National Guard
WVDEP	West Virginia Department of Environmental Protection
WVDNR	West Virginia Department of Natural Resources

EA Engineering, Science, and Technology, Inc.

Operational Range Assessment Program
Phase I Qualitative Assessment
Beech Fork State Park, WV

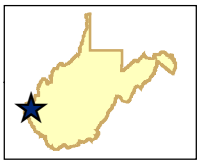
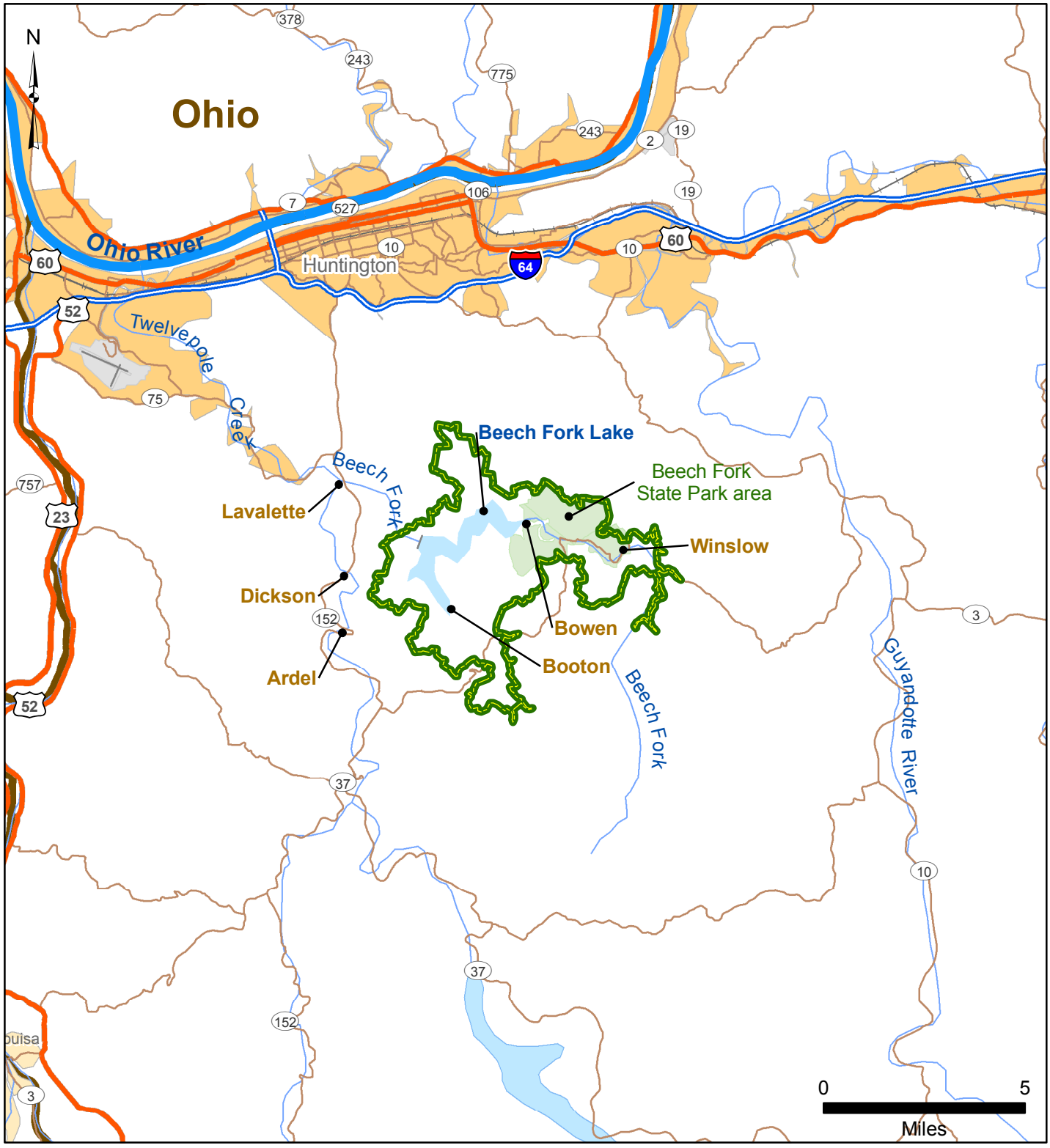


Figure 1-1
General Beech Fork State Park Location



Installation

Installation Boundary

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

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