



FINAL

Operational Range Assessment Program Phase I Qualitative Assessment Report Barker Dam Training Site, Texas

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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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 Barker Dam Training Site (TS) 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.

Barker Dam TS encompasses approximately 571 acres in Harris County, Texas. The training site is located approximately 11 miles west of Houston, Texas on property associated with the Buffalo Bayou and Tributaries Federal project which is designed for flood control. The property is owned by the Federal Government and managed by the U.S. Army Corps of Engineers. According to the Army Range Inventory Database-Geodatabase (ARID-GEO) from 2007, the area consists of two operational range areas including a light maneuver/training area and a drop zone. There is no cantonment area at Barker Dam TS.

A review of available records and background data, as well as an interview with training site personnel, indicated that the ranges at Barker Dam TS have never been used for training involving military munitions. Because training activities do not involve, and 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 Barker Dam TS are 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 Barker Dam Training Site

Category	Total Number of Ranges and Acreage	Source(s)	Pathways(s)	Human and Ecological Receptors	Conclusions
Unlikely	Two operational ranges; 571 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

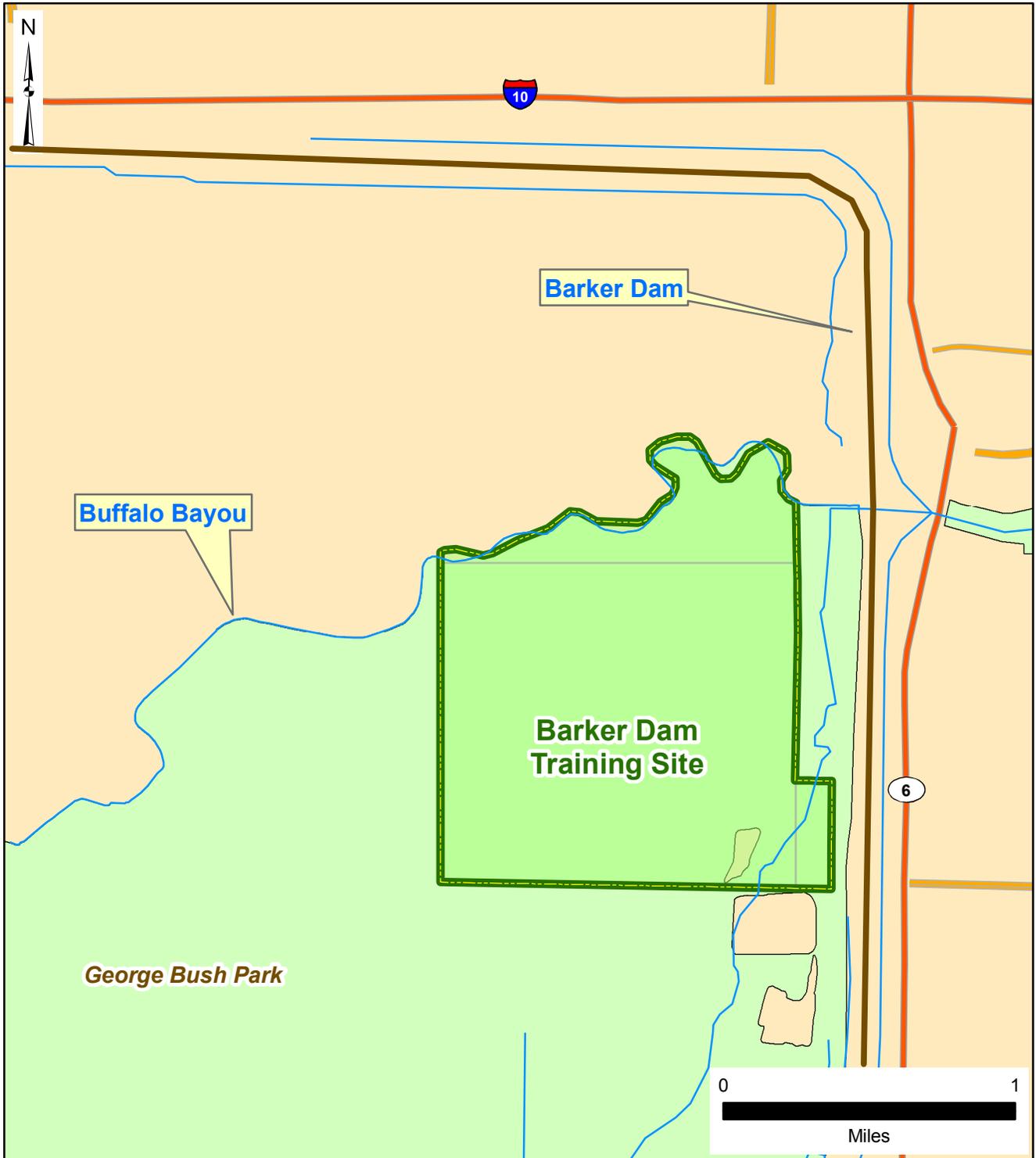
ARID-GEO	Army Range Inventory Database-Geodatabase
CSM	Conceptual Site Model
DoD	Department of Defense
MCOC	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
TS	Training Site
TXARNG	Texas Army National Guard
U.S.	United States
USACE	United States Army Corps of Engineers



**Operational Range Assessment Program
Phase I Qualitative Assessment
Barker Dam Training Site, TX**

Figure 2-1

**General Barker Dam Training Site Location
and Operational Range Area**



Military Range Use

- Installation Boundary
- Other Range

Highways

- Major Road
- Highway

Landmarks

- Rivers/Streams
- Park Area
- Barker Dam

Data Sources:
ARID-GEO, June 2006
ESRI, StreetMap, 2006

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