



FINAL

Operational Range Assessment Program Phase I Qualitative Assessment Report Rittenhouse Training Area, 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



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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 Rittenhouse Training 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 ecological receptors are evaluated as appropriate.

Rittenhouse Training Area is an approximately 480-acre Arizona Army National Guard (AZARNG) facility located in Pinal County, Arizona six miles west of the town of Queen Creek. Built during World War II to serve as a U.S. Air Force satellite airfield for Williams Air Force Base, Rittenhouse is currently classified as a maneuver and training area for light forces by the January 2006 Army Range Inventory Database-Geodatabase. The single operational range at Rittenhouse is used as a helicopter training area for AH-64A/D Apache attack helicopter crews to practice touch-and-go landings and for water bucket training by various AZARNG aviation squadrons. The training area is utilized under the conditions of a Recreation or Public Purpose Act Lease with the Bureau of Land Management.

A review of available records and background data, as well as interviews with AZARNG personnel, indicate that the range at Rittenhouse has never been used for training involving live-fire military munitions. Rittenhouse is utilized by helicopter crews from nearby Western Army Aviation Training Site in Marana and training activities are limited to the use of small-caliber blank ammunition. Blank small-caliber rounds are not considered a source of MCOC. Therefore, potential off-range migration pathways and potential off-range human and/or ecological receptors were not evaluated, and the range at Rittenhouse Training Area has been categorized as Unlikely.

Installations with operational ranges where no munitions, either live-fire or non-live-fire, 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 Rittenhouse Training Area

Category	Total Number of Ranges and Acreage	Source(s)	Pathways(s)	Human and Ecological Receptors	Conclusions
Unlikely	One operational range; 480 acres	No source – no current or historical use of live-fire military munitions	Not evaluated (no MCOC source identified)		Re-evaluate during the five-year review

ABBREVIATIONS/ACRONYMS

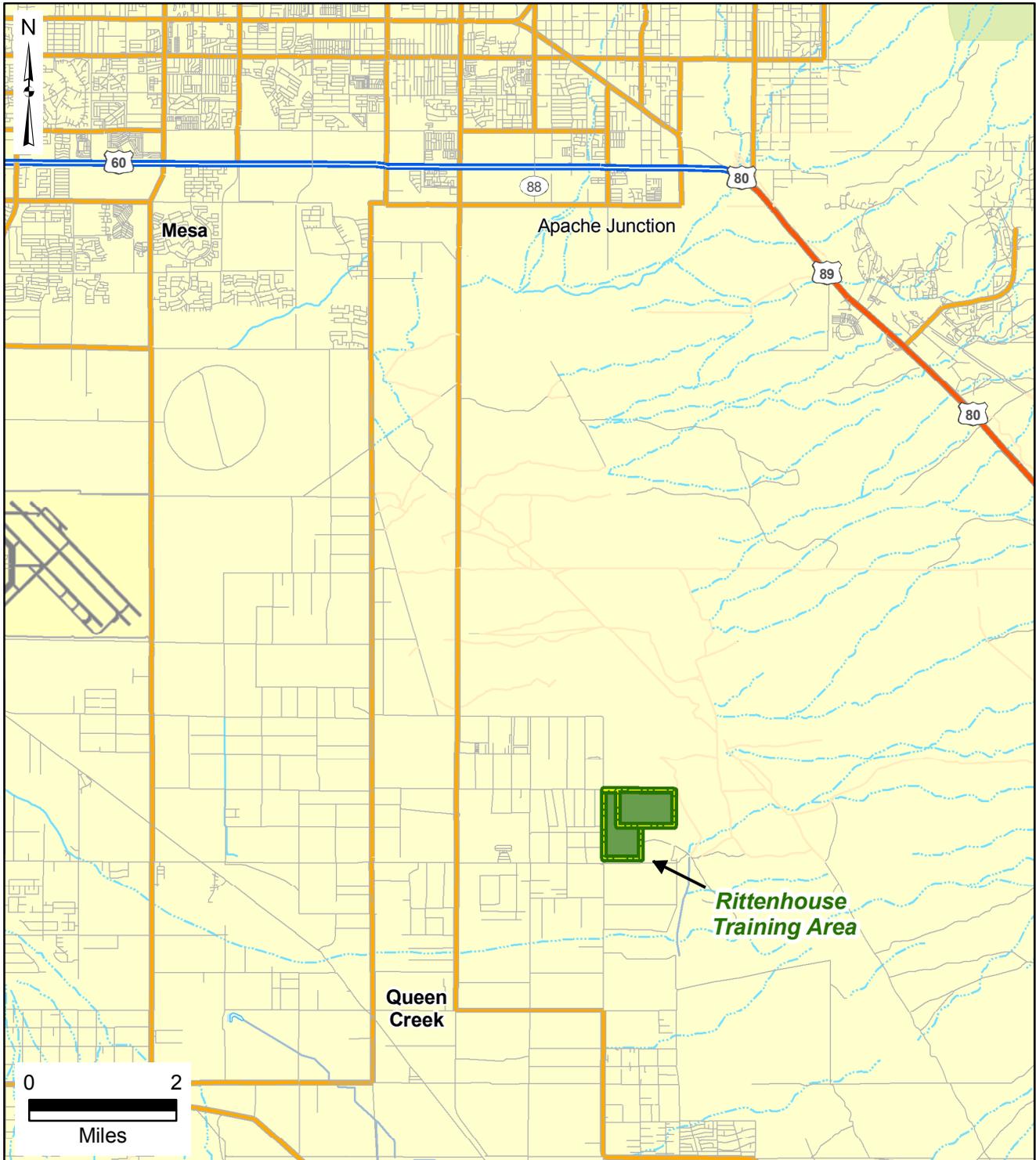
AFB	Air Force Base
ARID-GEO	Army Range Inventory Database-Geodatabase
AZARNG	Arizona Army National Guard
BLM	Bureau of Land Management
CSM	Conceptual Site Model
DoD	Department of Defense
FMO	Facilities Management Office
MCOC	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
U.S.	United States
USACE	United States Army Corps of Engineers
WWII	World War II



Operational Range Assessment Program Phase I Qualitative Assessment Rittenhouse Training Area, AZ



Figure 2-1
General Range Location and Operational Range Area



Range Data

- Range Boundary
- Operational Range Area

Highways

- Major Road

Hydrology

- Rivers/Streams
- Waterbody

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

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