



FINAL

Operational Range Assessment Program Phase I Qualitative Assessment Report Picacho 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



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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.



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 Picacho Training Site 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.

Picacho Training Site is a 352.98-acre Arizona Army National Guard (AZARNG) facility located in Pinal County, Arizona approximately 40 miles north of the city of Tucson. Built during World War II to serve as a U.S. Air Force satellite airfield for Marana Army Airfield, Picacho 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 Picacho is used as a rotary wing aircraft training area in support of AZARNG's nearby Western Army Aviation Training Site (WAATS). Use of the facility by the AZARNG began in 1993.

A review of available records and background data, as well as interviews with AZARNG personnel, indicate that the range at Picacho Training Site has never been used for training involving military munitions (live-fire or non-live-fire). Operations currently conducted at Picacho Training Site are limited to trauma and emergency procedure maneuver training and bivouac training activities for the 1st Battalion, 285th Aviation Regiment, Apache Helicopter Attack Battalion located at WAATS. Because training activities have never 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/or ecological receptors were not evaluated, and the range at Picacho Training Site is 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 Picacho Training Site

| Category | Total Number of Ranges and Acreage | Source(s) | Pathways(s) | Human and Ecological Receptors | Conclusions |
|----------|-------------------------------------|--|---|--------------------------------|---|
| Unlikely | One operational range; 352.98 acres | No source – no current or historical use of military munitions | Not evaluated (no MCOC source identified) | | Re-evaluate during the five-year review |

ABBREVIATIONS/ACRONYMS

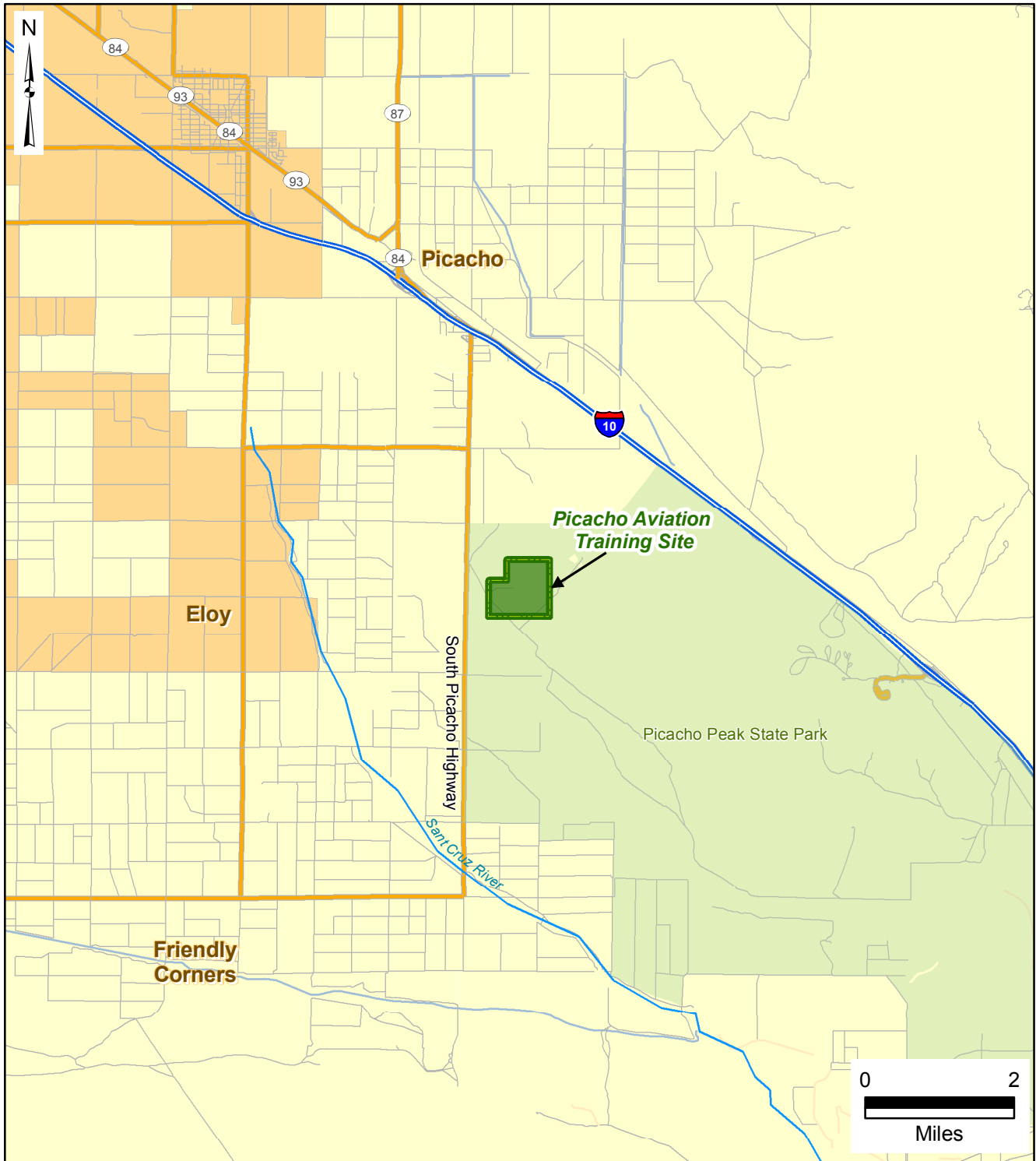
| | |
|----------|---|
| ARID-GEO | Army Range Inventory Database-Geodatabase |
| AZARNG | Arizona Army National Guard |
| CSM | Conceptual Site Model |
| DoD | Department of Defense |
| FMO | Facilities Management Office |
| MCOG | Munitions Constituents of Concern |
| ORAP | Operational Range Assessment Program |
| U.S. | United States |
| USACE | United States Army Corps of Engineers |
| USAF | United States Air Force |
| WAATS | Western Army Aviation Training Site |
| WWII | World War II |



Operational Range Assessment Program Phase I Qualitative Assessment Picacho Aviation Training Site, AZ



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



Range Data

- Range Boundary
- Operational Range Area

Highways

- Interstate Highway
- Major Road

Hydrology

- Rivers/Streams

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

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