

**FINAL  
OPERATIONAL RANGE ASSESSMENT PROGRAM  
PHASE I QUALITATIVE ASSESSMENT REPORT  
MANKATO LOCAL TRAINING AREA  
MANKATO, MINNESOTA**

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Prepared for:

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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 Mankato Local 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.

Mankato Local Training Area encompasses approximately 160 acres in Blue Earth County, Minnesota. The installation is located approximately four miles south of Mankato, Minnesota. According to the Army Range Inventory Database-Geodatabase from 2002, one operational range encompassing 19.6 acres is present on the installation. The remaining 140.4 acres are considered other than operational range area.

A review of available records and background data indicated that the range at Mankato Local Training Area has never been used for training involving military munitions (live-fire or non-live-fire). Training currently conducted at Mankato Local Training Area is limited to squad tactics, bivouac activities, and engineering activities. 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 range at Mankato Local Training Area is categorized as Unlikely.

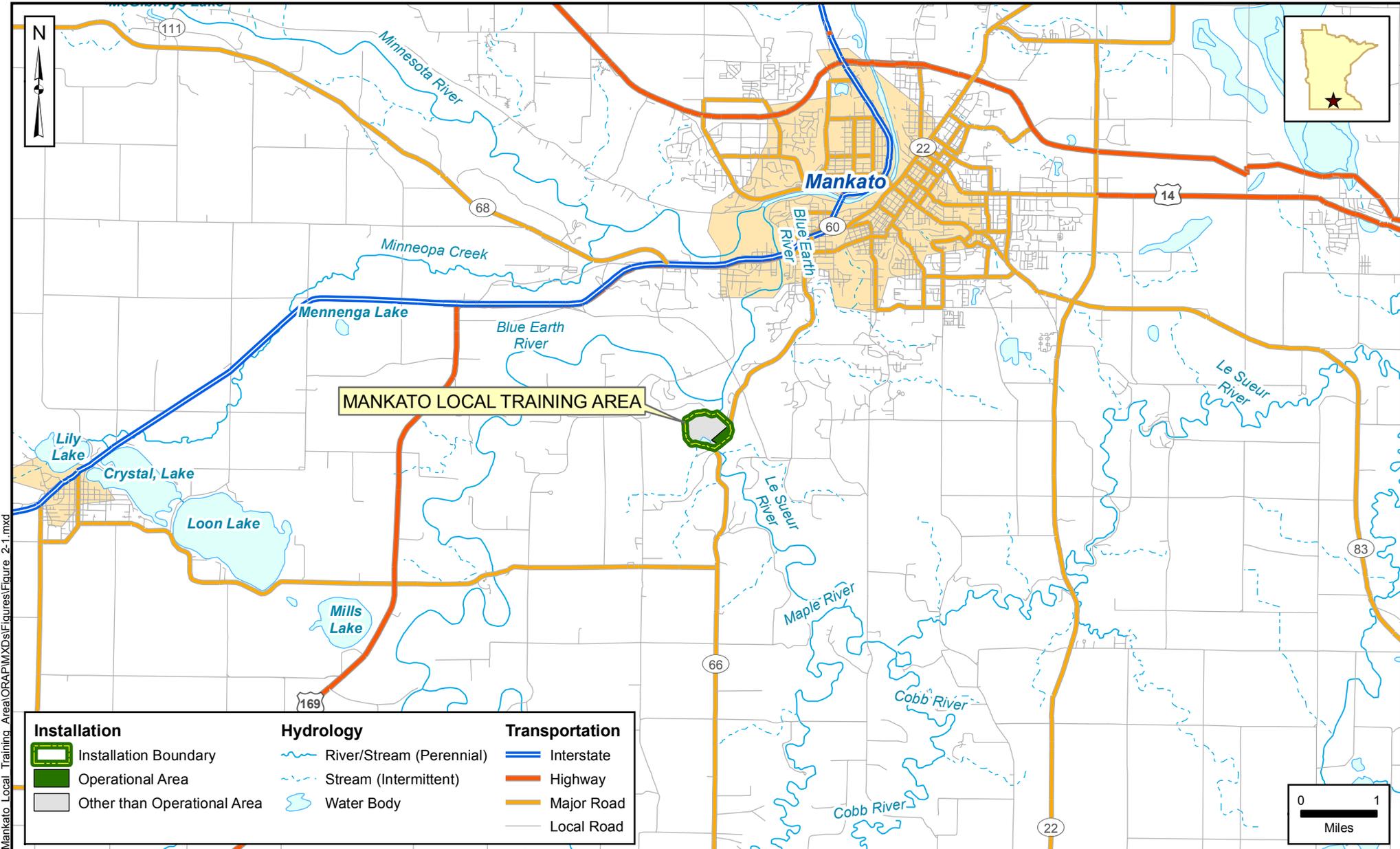
Installations with operational ranges where no munitions or only small caliber blanks have been utilized are categorized as Unlikely. That is, based on a review of available information, there is sufficient evidence to show that due to the lack of munitions use there are no known MCOC releases or potential MCOC source-receptor interactions that could present an unacceptable risk to human health or the environment off-range. 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 Mankato Local Training Area**

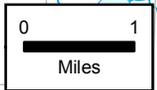
| Category | Total Number of Ranges and Acreage | Source(s)  | Pathways(s)                          | Human and Ecological Receptors | Conclusions                              |
|----------|------------------------------------|--|--------------------------------------|--------------------------------|--|
| Unlikely | One operational range; 19.6 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                     |
| GIS      | Geographic Information System             |
| MCOG     | Munitions Constituents of Concern         |
| MN       | Minnesota                                 |
| ORAP     | Operational Range Assessment Program      |
| RRC      | Regional Readiness Command                |
| U.S.     | United States                             |
| USACE    | United States Army Corps of Engineers     |



| Installation                | Hydrology                | Transportation |
|-----------------------------|--------------------------|----------------|
| Installation Boundary       | River/Stream (Perennial) | Interstate     |
| Operational Area            | Stream (Intermittent)    | Highway        |
| Other than Operational Area | Water Body               | Major Road     |
|                             |                          | Local Road     |



**Operational Range Assessment Program  
Phase I Qualitative Assessment  
Mankato Local Training Area, MN**

**Figure 2-1  
General Mankato Local Training Area Location and Operational Range Area**

Data Sources:  
AEC, GIS Data, 2002  
ESRI, StreetMap USA, 2005

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Prepared By: ..... Malcolm Pirnie, Inc.  
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