FINAL
OPERATIONAL RANGE PHASE I QUALITATIVE ASSESSMENT REPORT
HUNTER ARMY AIRFIELD
SAVANNAH, GEORGIA

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Prepared for:

UNITED STATES ARMY CORPS OF ENGINEERS, BALTIMORE DISTRICT
P.O. Box 1715
Baltimore, Maryland 21203-1715

and

UNITED STATES ARMY ENVIRONMENTAL CENTER
Aberdeen Proving Ground, Maryland 21010

Prepared by:

MALCOLM PIRNIE, INC.
640 Freedom Business Center, Suite 310
King of Prussia, Pennsylvania 19406-1331

EXECUTIVE SUMMARY

PURPOSE:

This qualitative assessment, hereinafter referred to as Phase I Assessment, evaluates Hunter Army Airfield's (Hunter) operational range 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. The Phase I Assessment results in the categorization of operational ranges as appropriate, as follows:

- **Referred – Refer to Appropriate Cleanup Program:** ranges with compelling evidence (e.g., sampling data) to indicate the presence of an off-range release that potentially poses an unacceptable risk to human health or the environment;

- **Inconclusive – Phase II Quantitative Assessment Required:** ranges where existing information either is insufficient to make a source-receptor interaction determination or indicates the potential for such interaction to be occurring; or

- **Unlikely – Five-Year Review[1]:** 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 that could present an unacceptable risk to human health or the environment.

SUMMARY OF FINDINGS

To facilitate the qualitative analysis, MCOC sources, potential migration pathways from a range, and potential off-range human and/or ecological receptors associated with the ranges at Hunter were evaluated. Each range was then placed into one of several descriptive groups that meet the criteria for the Unlikely category.

Hunter's 24 operational ranges evaluated in the Phase I Assessment have been placed into the following category:

- **Unlikely –** 24 ranges consisting of training and maneuver areas, small arms ranges, and other ranges totaling 2,620 acres

These findings are summarized in **Table ES-1**.

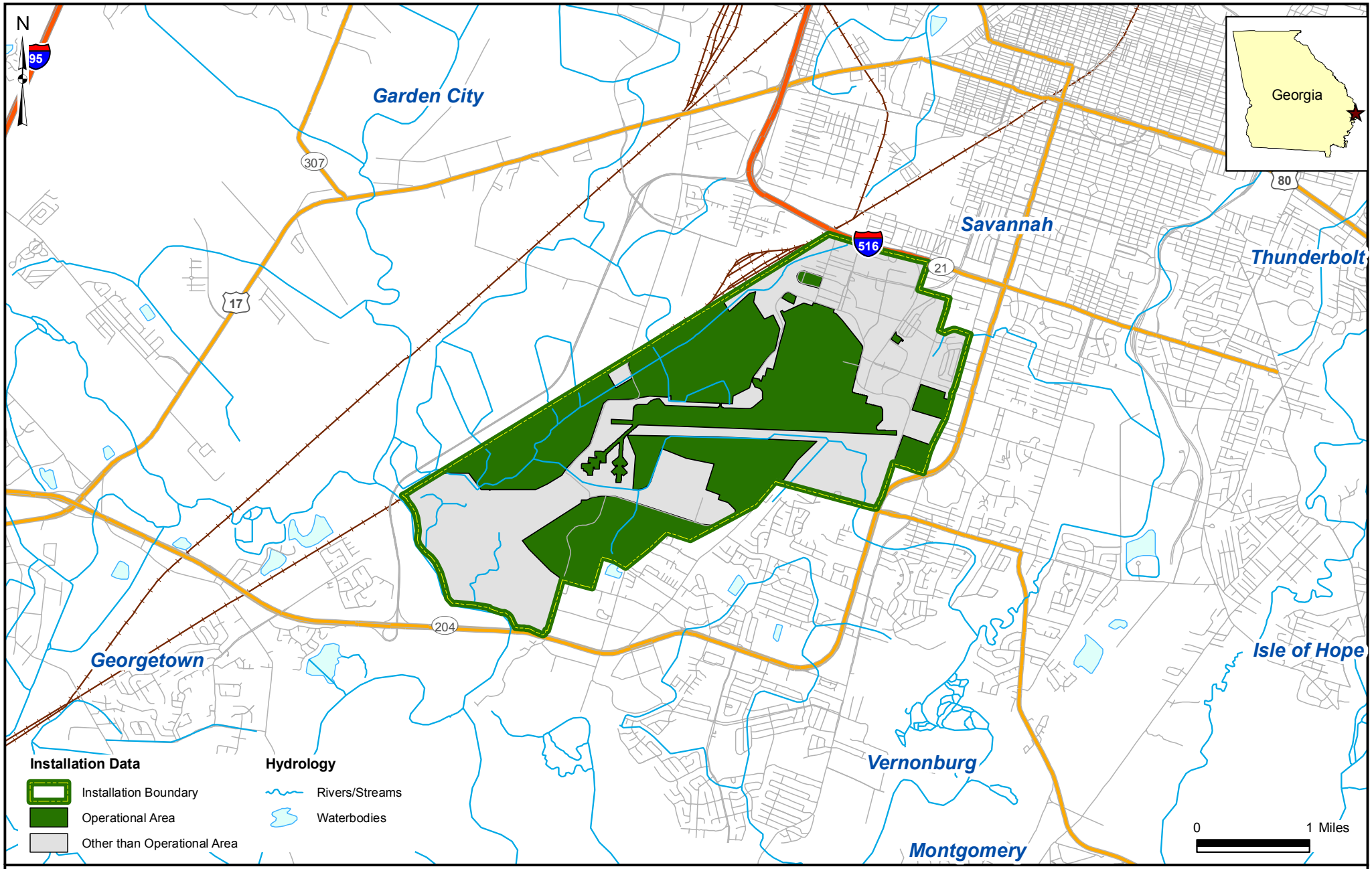
[1] All operational ranges must be periodically re-evaluated to determine if there is a release or substantial threat of release of MCOC from an operational range to an off-range area. Range groups categorized as Unlikely are to be re-evaluated at least every five years. Re-evaluation may occur sooner if significant changes (e.g., changes in range operations, site conditions, and regulatory changes) occur that affect determinations made during the Phase I Assessment.

Table ES-1: Summary of Findings, Conclusions, and Recommendations for Hunter

Category	Group Identification	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human Receptors	Ecological Receptors	Recommendations (Future Steps)
Unlikely	Limited source	22 operational ranges; 2,616 acres	None or limited – maneuver training only	Not evaluated	Not evaluated	Not evaluated	Re-evaluate during the five-year review.
	Munitions used; pathways unlikely	One operational range; 1.71 acres	Small arms firing	None – range is covered. No surface water within 500 yards.	Not evaluated	Not evaluated	Re-evaluate during the five-year review.
	Munitions used; groundwater pathway present	One operational range; 1.96 acres	Small arms firing	Shallow groundwater. No surface water within 500 yards.	None. No groundwater receptors identified within four miles of Hunter.	None. No threatened or endangered species identified in vicinity of Hunter.	Re-evaluate during the five-year review.

ABBREVIATIONS/ACRONYMS

°F	Degrees Fahrenheit
amsl	above mean sea level
A/I	Active/Inactive
ARID-GEO	Army Range Inventory Geodatabase
ARNG	Army National Guard
cal	caliber
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CINC	Commander in Chief
CSM	Conceptual Site Model
DoD	Department of Defense
DODI	Department of Defense Instruction
DoE	Department of Energy
DPTMS	Directorate of Plans, Training, Mobilization, and Security
DPW	.Directorate of Public Works
EOD	Explosive Ordnance Disposal
FORSCOM	United States Army Forces Command
GIS	Geographic Information System
gpd	Gallons per day
LS	Limited Source
MATS	Material Air Transport Serve
MCOC	Munitions Constituents of Concern
MGW	Munitions Used/Groundwater Pathways/No Receptors
MGW (H/E)	Munitions Used/Groundwater Pathways/Human or Ecological Receptors
mm	millimeter
MPU	Munitions Used/Pathways Unlikely
MSW	Munitions Used/Surface Water Pathways/No Receptors
MSW (H/E)	Munitions Used/Surface Water Pathways/Human or Ecological Receptors
MSWGW	Munitions Used/Surface Water Pathways/Groundwater Pathways/No Receptors
MSWGW (H/E)	Munitions Used/Surface Water Pathways/Groundwater Pathways/Human or Ecological Receptors
ORAP	Operational Range Assessment Program
ORIS	Operational Range Inventory Sustainment
U.S.	United States
USACE	United States Army Corps of Engineers
USACHPPM	United States Army Center for Health Promotion and Preventive Medicine
USAEC	United States Army Environmental Center
USAEHA	United States Army Environmental Hygiene Agency
USATHAMA	United States Army Toxic and Hazardous Materials Agency
U.S.C.	United States Code
USEPA	United States Environmental Protection Agency
USGS	United States Geological Society



Qualitative Operational Range Assessment
Hunter Army Airfield, GA

Figure 1-1
General Location of Hunter Army Airfield

Data Sources:
AEC, ARID Geo-Database Sept 2005
ESRI StreetMap USA, 2005

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