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

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Prepared for:

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°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				
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U.S.C.	United States Code				
U.S.C. USEPA	United States Code United States Environmental Protection Agency				

# ABBREVIATIONS/ACRONYMS

# **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<sup>1</sup>: 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**.

<sup>&</sup>lt;sup>1</sup> 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.

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.

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