



FINAL

Operational Range Assessment Program
Phase I Qualitative Assessment Report
Floyd Edsall Training Center, Nevada
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 (ORAP). This Phase I Assessment evaluates the operational range area at Floyd Edsall Training Center to assess whether further investigation is needed to determine if potential munitions constituents of concern (MCO) 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, MCO sources, potential off-range migration pathways, and potential off-range human and ecological receptors are evaluated as appropriate.

Floyd Edsall Training Center, hereinafter referred to as Floyd Edsall, encompasses approximately 1,648 acres of land in North Las Vegas, Clark County, Nevada, approximately 10 miles north of Las Vegas. The primary purpose of Floyd Edsall is to serve as an armory and training site for units of the Nevada Army National Guard (NVARNG) from the Las Vegas metropolitan area.

As part of the Operational Range Inventory Sustainment, an update to the Army Range Inventory Database-Geodatabase (ARID-GEO) was submitted to the U.S. Army Environmental Command in March 2007 (ARID-GEO, 2007). The ARID-GEO (2007) for Floyd Edsall identified 1,526 operational range acres and three operational range areas, including a maneuver training area (light), a tank range, and a miscellaneous range. Additionally, 122 acres was identified as other than operational acreage. Training activities conducted at Floyd Edsall include the use of a Table IV Tank Crew Proficiency Course, driver training courses, Enemy Prisoners of War training, land navigation courses, and small unit Field Training Exercises (NVARNG Facilities Management Office, 2004).

Based on review of documents provided by the NVARNG and personnel interviews conducted while on the site visit, only small caliber blank munitions and infrequent use of pyrotechnics and obscurants occurs at Floyd Edsall. Based on the limited potential source of MCO from infrequent use of pyrotechnic and obscurant, on-range MCO are not likely to reach off-range areas.

The three operational ranges at Floyd Edsall are categorized as Unlikely.

Unlikely – Five-Year Review

The three operational ranges at Floyd Edsall, totaling 1,526 acres, are categorized as Unlikely. These ranges consist of a maneuver training area (light), a tank range, and a miscellaneous range. 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 off-range that could present an unacceptable risk to human health or the environment are categorized as Unlikely. 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 the Floyd Edsall Training Center

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human Receptors	Ecological Receptors	Conclusions and Rationale
Unlikely	3 operational ranges; 1,526 total acres	No source – limited or no military munitions use	Not evaluated (limited source was identified)			Re-evaluate during the five-year review. Limited source was identified.

ABBREVIATIONS/ACRONYMS

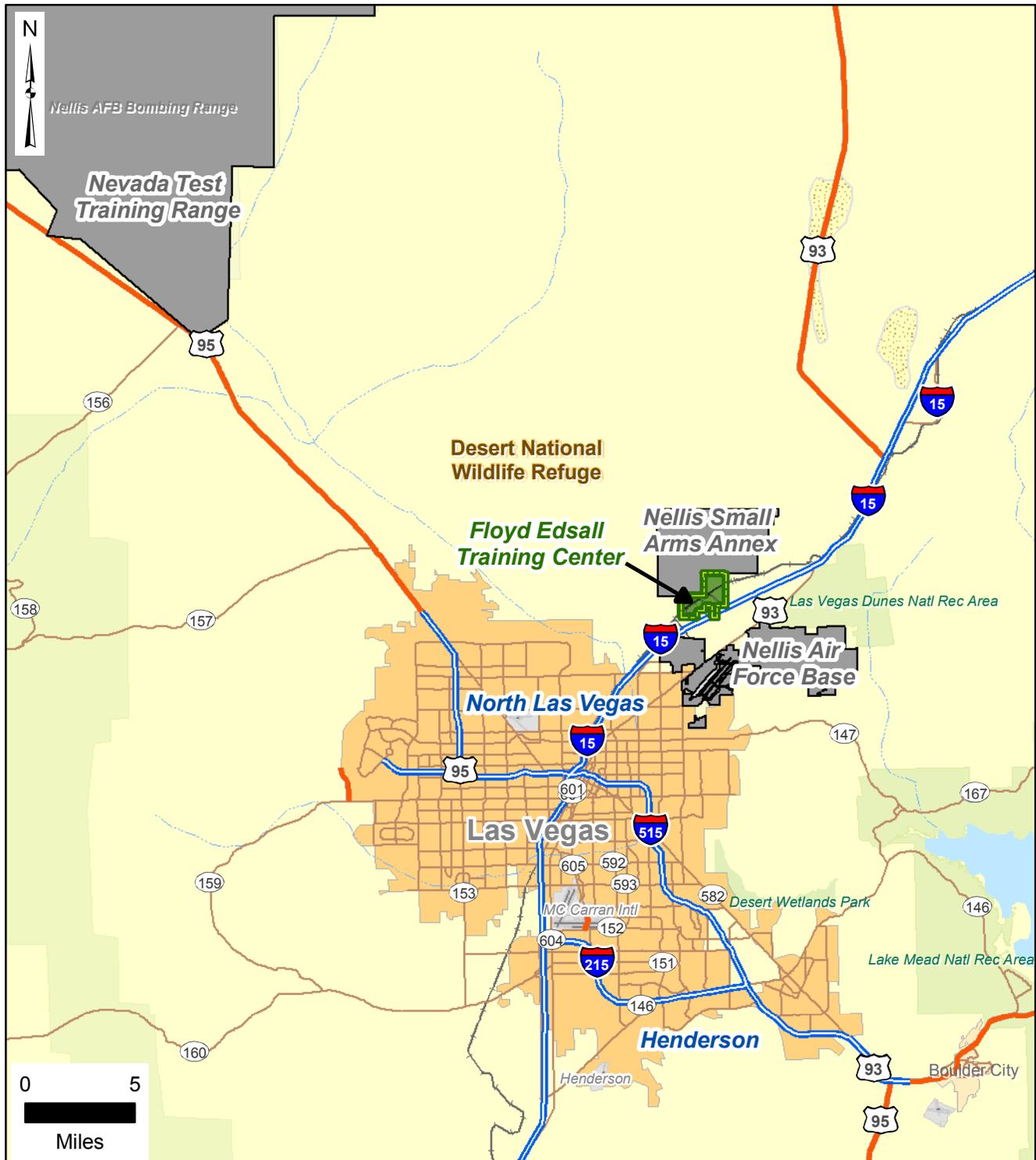
amsl	Above Mean Sea Level
ARID-GEO	Army Range Inventory Database-Geodatabase
bgs	Below Ground Surface
BLM	Bureau of Land Management
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CSM	Conceptual Site Model
DNT	Dinitrotoluene
DoD	Department of Defense
DODI	Department of Defense Instruction
E	Ecological receptors identified. (This refers to range grouping; pathway designation always precedes E designation.)
EPW	Enemy Prisoners of War
GW	Groundwater pathway identified. (This refers to range grouping; M designation always precedes GW designation.)
H	Human receptors identified. (This refers to range grouping; pathway designation always precedes H designation.)
HMX	Cyclotetramethylenetetranitramine
LS	Limited Source.
M	Munitions used. (This refers to range grouping; M designation always precedes applicable pathway.)
MCOC	Munitions Constituents of Concern
MILES	Multiple Integrated Laser Engagement System
NAFB	Nellis Air Force Base
NG	Nitroglycerin
NGB	National Guard Bureau
NRCS	Natural Resources Conservation Service
NVARNG	Nevada Army National Guard
ORAP	Operational Range Assessment Program
PETN	Pentaerythritoltetranitrate
PU	Pathway unlikely or incomplete. (This refers to range grouping; M designation always precedes PU designation.)
RDX	Cyclotrimethylenetrinitramine
RFMSS	Range Facility Management Support System
R&PP	Recreation and Public Purpose
SNWA	Southern Nevada Water Authority
SW	Surface water pathway identified. (This refers to range grouping; M designation always precedes SW designation.)
TCPC	Tank Crew Proficiency Course
TNT	Trinitrotoluene
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 Command
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
WP	White Phosphorus
°F	Degrees Fahrenheit



Operational Range Assessment Program
 Phase I Qualitative Assessment
 Floyd Edsall Training Center, NV



Figure 1-1
General Floyd Edsall Training Center Location



Installation Data

- Installation Boundary
- Operational Range Area

Transportation

- Interstate Highway
- Highway
- Major Road

Data Sources:
 ARID-GEO, March 2007
 ESRI, StreetMap, 2006

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