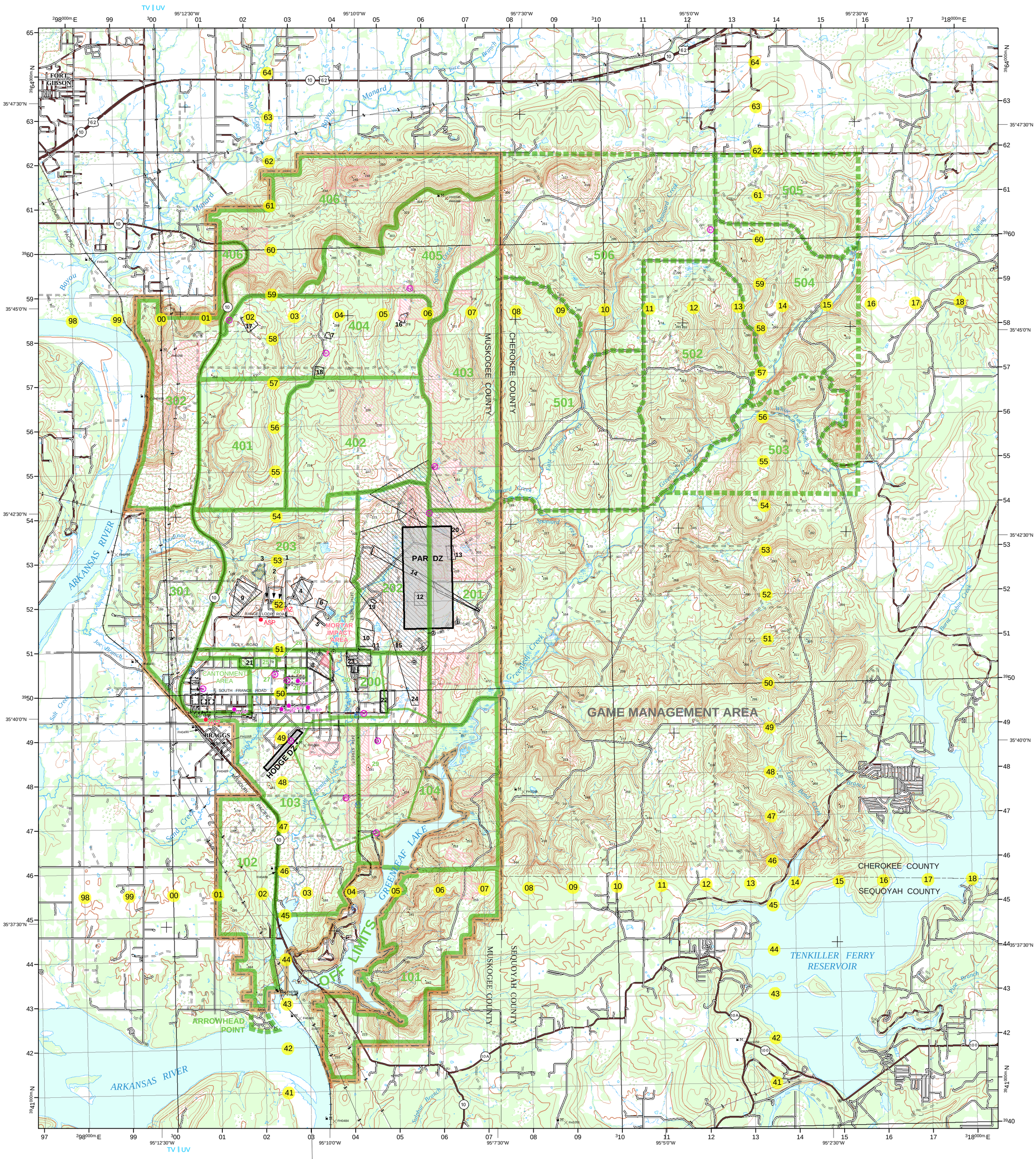
CAMP GRUBER, OKLAHOMA ARMY NATIONAL GUARD



INTEGRATED TRAINING AREA MANAGEMENT
ITAM GIS
GEOGRAPHIC INFORMATION SYSTEM

The Camp Gruber special was produced by the Western Regional Support Center located at the Center for Environmental Management of Military Lands in Fort Collins, Colorado. Funding was provided by the Integrated Training Area Management GIS program - U.S. Army Environmental Center (USAEC).

Not all data layers represented maintain the same accuracy level, therefore the map scale applied does not necessarily equate to the implied horizontal and vertical positional accuracy.

TRANSPORTATION

- Primary Road
- Secondary Road
- Tertiary Road
- Unimproved Road
- U.S. Route, State Route
- Railroad, Active
- Railroad, Abandonded

HYDROGRAPHY

- Permanent Water Body
- Intermittent Water Body
- Dry Lake
- Wetland
- Permanent Stream
- Intermittent Stream

BOUNDARIES

- County Boundary
- Installation Boundary

HYPSOGRAPHY-METERS

- Index Contour
- Non-Index Contour
- Spot Elevation Point

UTM GRID

- 10,000 Meter
- 1000 Meter

MILITARY FEATURES

- Drop Zone
- Impact Area (Dudded)
- Range
- Land Management Area
- Training Area
- Training Area*
- Sub-Training Area
- Ammunition Supply Point (ASP)
- Landing Zone
- Firing Point
- Forward Arming & Refueling (FARP)
- Wheeled Vehicle Refueling (WVRP)
- Helicopter Pad
- Hazardous/Chemical Site (HAZ)

MISCELLANEOUS

- Forest
- Open Woodland
- Building
- Utility Line (Primary)
- Utility Line (Other)
- Hiking Trail
- 2.5 Minute Lat/Long Point
- Bench Mark
- Water Tower

* Land availible for training upon request

SCALE 1:50,000

1 0.5 0 1 2 3 Kilometers

1 0.5 0 1 2 3 Miles

ELEVATIONS IN METERS

CONTOUR INTERVAL (HISTORIC INSTALLATION) - 6 METERS
(OUTSIDE INSTALLATION) - 10 METERS

SPHEROID: WGS84
GRID: 1000 METER UTM ZONE 15
PROJECTION: TRANSVERSE MERCATOR
CENTRAL MERIDIAN: 93° W LONGITUDE
LATITUDE OF ORIGIN: 0° LATITUDE
VERTICAL DATUM: 1929 NATIONAL GEODETIC VERTICAL DATUM
HORIZONTAL DATUM: WGS84
CONTROL BY: U.S. GEOLOGIC SURVEY
PREPARED BY: WESTERN REGIONAL SUPPORT CENTER

GN

GRID CONVERGENCE
1° 15' (22 MILS)
FOR CENTER OF SHEET

2003 G-M ANGLE
4.8° (85 MILS)

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH ADD G-M ANGLE

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH SUBTRACT G-M ANGLE

SAMPLE 1000 METER GRID SQUARE

Sample point

100,000 M SQUARE IDENTIFICATION

TV | UV
00

GRID ZONE DESIGNATION

15S

100 METER REFERENCE

1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point 12 3

2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point 45 6

Example: 123456

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.

Example: UV123456

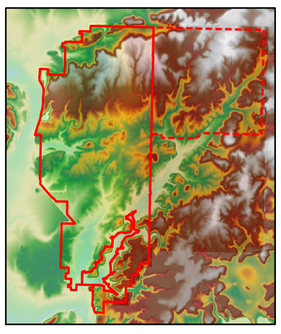
WHEN REPORTING ACROSS THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.

Example: 15SUV123456

CONVERSION GRAPH
(1 meter = 3.28 feet)

Meters: 400, 300, 200, 100
Feet: 1300, 1200, 1100, 1000, 900, 800, 700, 600, 500, 400

Elevation Guide



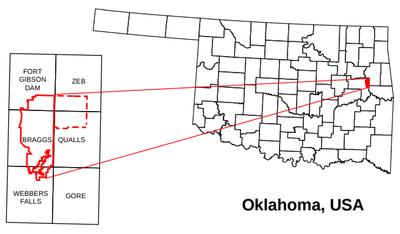
SLOPE GUIDE

PERCENTAGE	DEGREE
10%	5.7°
9%	5.1°
8%	4.6°
7%	4°
6%	3.4°
5%	2.9°

A B C

AB - HORIZONTAL DISTANCE BETWEEN CONTOURS
AC - HORIZONTAL DISTANCE BETWEEN INDEX CONTOURS

Location Diagram



Oklahoma, USA

USGS 7.5 Minute Quadrangles

Ranges and Sub-Training Areas

Live Fire Ranges

1 Range 60 - Zero East
2 Range 90 - Combat Pistol
3 Range 110 - Zero West
4 Range 130 - MRF 1
5 Range 140 - M 203
6 Range 150 - AT4
7 Range 190 - Live Fire Ambush
8 Range 210 - Mortar Scaled
9 Range 220 - M60/M2 MG
10 Range 230 - MRF 2
11 Range 260 - Zero 2
12 Range 290 - Light Demolition
13 Range 300 - Heavy Demolition
14 Range 310 - TOW TPT
15 Range 310 - MK19
16 Range 330 - Deliberate Attack
17 Range 350 - Squad Assualt
18 Range 360 - Buddy Team/Fire Team
19 Hand Grenade Familiarization Range
20 Sniper Range

Ranges

21 Range 180 - Hand Grenade Qualification
22 Range 430 - UAC
23 Range 420 - MOUT-CTF
24 TOW Range - TOW MILES

Sub-Training Areas

25 CTT Course
26 Range 200 - NBC
27 Range 380 - Air Assault
28 Blue Devil
29 Range 450 - EIB Land Navigation
30 Range 410 - Land Navigation

Post Headquarters: (918) 549-6001
Range Control Contact: (918) 549-6041

NOTE: SEE CANTONMENT AREA AND RANGE LOOP AREA ROAD MAP FOR MORE DETAIL