

Prepared and published by the Defense Mapping Agency
Hydrographic/Topographic Center, Bethesda, MD.

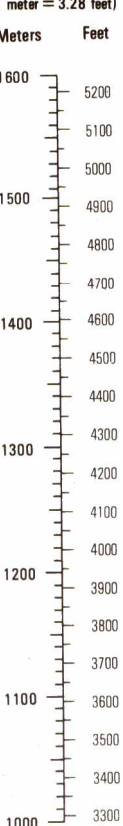
© Copyright 1982 by the United States Government.
No copyright claimed under Title 17, U.S.C.

MAP INFORMATION AS OF 1980.
CAUTION: ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE NOT SHOWN.
A LANE ON THIS MAP IS CONSIDERED TO BE 25 METERS WIDE.

LEGEND

ROADS		OBSTRUCTIONS	
Divided highway with median strip		Single Group	
Primary, all weather, hard surface		Elevation of obstruction top above sea level	
Secondary, all weather, hard surface		Elevation of obstruction top above ground level	
Light duty, all weather, hard or improved surface		Power transmission line	
Fair or dry weather, unimproved surface		Buildings	
Trail		Windmill, Watermill	
Route markers: Interstate, Federal, State		Well, Tank	
Bridge		Church, School	
RAILROADS (Standard gauge 144cm - 4'8 1/2")		Power substation	
Single track		Open pit mine or quarry, Mine shaft	
Multiple track		Horizontal control station	
Nonoperating		Fence	
Railroad station: Location known, Location unknown		Fences, rills, dikes	
Railroad bridge		Bluffs, cliffs	
Tunnel: Highway, Railroad		Woodland	
Bench mark, monument		Viewed: Orchard, plantation	
Single mark, non-monumented		Intermittent lake, Dam, Earthen	
Spot elevation in meters: Highest, Normal, 1582 - 156		Stream, Perennial, Intermittent	
BOUNDARIES		Marsh, swamp	
National, with monument		Small falls, Large falls	
State, territory		Small rapids, Large rapids	
County, parish			
Civil township, town			
Incorporated city, village, town			
Reservation, National, State, Military			
Boundary marker with identification number			

CONVERSION GRAPH



ELEVATIONS IN METERS

CONTOUR INTERVAL 20 METERS

PROJECTION TRANSVERSE MERCATOR
1,000 METER UTM ZONE 13, GEODETIC REFERENCE SYSTEM
1980 ELLIPSOID (BLACK NUMBERED LINES)
1,000 METER UTM ZONE 13, CLARKE 1866 ELLIPSOID
(BLUE NUMBERED LINES)

HORIZONTAL DATUM NORTH AMERICAN DATUM 1983
VERTICAL DATUM MEAN SEA LEVEL

COORDINATE CONVERSION MAP 83 10 NAVD 83
Grid: AGA 48 m. E., Subinterval 20 m., N.
Geographic: Subinterval 17' Long., Subinterval 0.7' Lat.

SAMPLE 1,000 METER GRID SQUARE

48	49
12	13

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

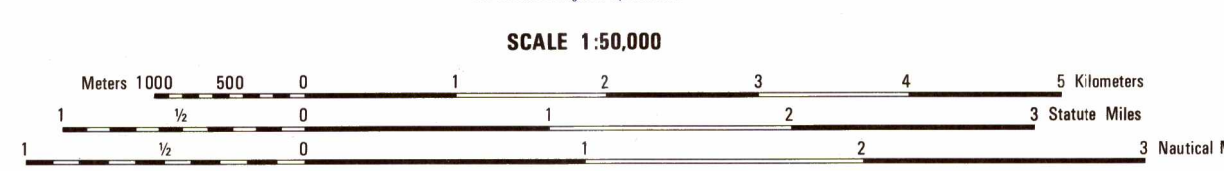
2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 48.8

Example: 123488
Reported as: FNI 23456

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE HIGHER METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.
Example: FNI 23456

WHEN REPORTING ACROSS THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.
Example: 13RFN123456

USERS SHOULD REFER TO THE MAP'S METRIC HELP DESK:
1-800-455-0889; COMMERCIAL 1-304-263-1236; DSN 430-1236; OR WRITE TO: ATTN: CDD, MAIL STOP 37, NATIONAL IMAGERY AND MAPPING AGENCY, 4800 SANDHURST ROAD, BETHESDA, MD 20815-5003.



BOUNDARIES		ADJOINING SHEETS		
TEXAS	Presidio County	5143 I	5243 IV	5243 I
	Grant County	5143 II	5243 III	5243 II
		5143 III	5243 IV	5243 III

NSN 7643014059366
NIMA REF. NO. V782X52433

