

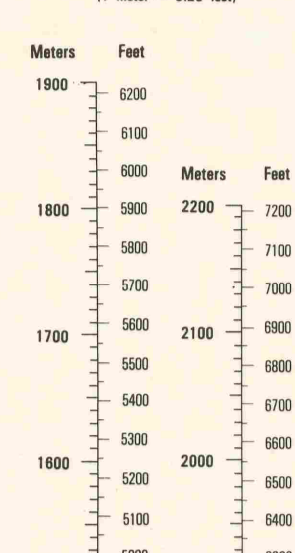
Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D.C.  
 MAP INFORMATION AS OF 1988

**LEGEND**

CAUTION: ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE NOT SHOWN.  
 A LANE ON THIS MAP IS CONSIDERED TO BE 2.5 METERS WIDE.  
 IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED.  
 THERE MAY BE PRIVATE HOLDINGS WITHIN THE BOUNDARIES OF THE NATIONAL OR STATE RESERVATIONS SHOWN ON THIS MAP.

	Power transmission line
	Building
	Structure
	Church, School
	Power substation
	Windmill, Watermill
	Well, Tank
	Mine shaft
	Open pit mine or quarry
	Horizontal control station
	Bench mark, monument
	Bench mark, unmonumented
	Spot elevations in meters
	Leaves, rims, dikes
	Woodland
	Scattered trees, Scrub
	Vineyard, Orchard, plantation
	Irrigational lake, Dam, Earthen, Masonry
	Stream, Perennial, intermittent
	Marsh, swampy
	Small falls, Large rapids
	Rapids

**CONVERSION GRAPH**  
 (1 meter = 3.28 feet)



**ELEVATIONS IN METERS**

**CONTOUR INTERVAL 20 METERS**

ELLIPSOID: CLARKE 1886  
 GRID: 1,000-METER UTM ZONE 13 (BLACK NUMBERED LINES)  
 10,000-FOOT STATE GRID TICS, NEW MEXICO (WEST AND CENTRAL ZONES)  
 PROJECTION: TRANSVERSE MERCATOR  
 VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929  
 HORIZONTAL DATUM: 1927 NORTH AMERICAN DATUM  
 CONTROL BY: USGS AND MEXICANA  
 PREPARED BY: U.S. GEOLOGICAL SURVEY  
 PUBLISHED BY: DMAHC 4-90

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225  
 OR RESTON, VIRGINIA 22092

**SAMPLE 1,000 METER GRID SQUARE**

**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. 12.2
2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 48.8

Example: 123456  
 Example: C1123456  
 Example: 123C1123456

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

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

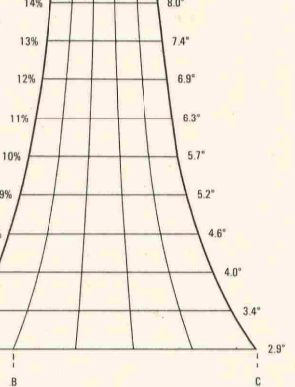
EXAMPLE: 12SC1123456

GRID CONVERGENCE  
 1°13' (21.1 MILLS)  
 FOR CENTER OF SHEET

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

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

**SLOPE GUIDE**



**BOUNDARIES**      **ADJOINING SHEETS**

4554 III	4554 II	4554 I
4553 IV	4553 I	4553 IV
4553 III	4553 II	4553 III

