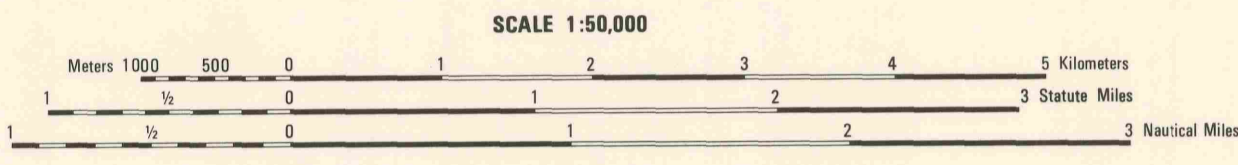


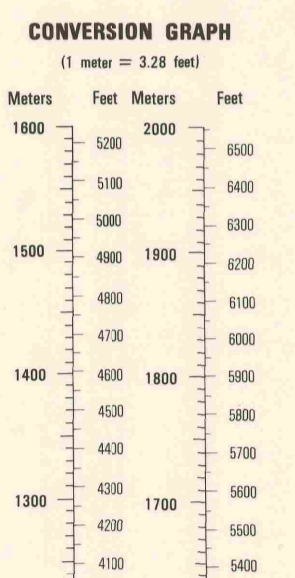
Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D.C.  
 MAP INFORMATION AS OF 1982.



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

- ROADS**  
 Divided highway with median strip  
 Primary, all weather, hard surface  
 Secondary, all weather, hard surface  
 Light duty, all weather, hard or improved surface  
 Fair or dry weather, unimproved surface  
 Trail  
 Route markers: Interstate, Federal, State  
**RAILROADS** (Standard gauge 1.43m - 4'8 1/2")  
 Single track  
 Multiple track  
 Nonoperating  
 Railroad station: Location known; Location unknown  
 Car line  
 Railroad bridge  
 Tunnel: Highway, Railroad  
**BOUNDARIES**  
 National, with monument  
 State, territory  
 County, parish  
 Civil township, town  
 Incorporated city, village, town  
 Reservation: National, State, Military

- Power transmission line  
 Buildings  
 Structures  
 Church; School  
 Power substation  
 Windmill; Windmill  
 Well; Tank  
 Mine shaft  
 Open pit mine or quarry  
 Horizontal control station  
 Bench mark, monument  
 Bench mark, non-monument  
 Spot elevations in meters  
 Levees, dikes, ditches  
 Bluffs, cliffs  
 Woodland  
 Scattered trees; Scrub  
 Vineyard; Orchard; plantation  
 Intermittent lake; Dam; Earthen; Masonry  
 Stream; Perennial; Intermittent  
 Marsh, swamp  
 Small falls; Large falls  
 Small rapids; Large rapids



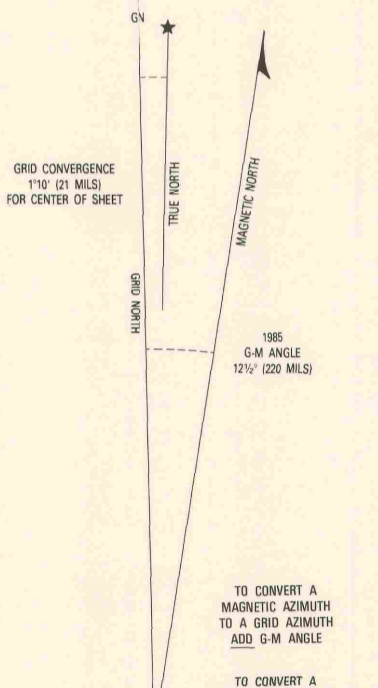
**ELEVATIONS IN METERS**  
**CONTOUR INTERVAL 20 METERS**

SPHEROID: CLARKE 1866  
 GRID: 1,000-METER UTM ZONE 13 (BLACK NUMBERED LINES)  
 10,000-FOOT STATE GRID TEXAS, NEW MEXICO (WEST ZONE) (CENTRAL ZONE)  
 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: DMA/TIC 6-86

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 OR RESTON, VIRGINIA 22092

**SAMPLE 1,000 METER GRID SQUARE**  
 46  
 45  
 12 13  
 80CG  
 GRID ZONE DESIGNATION  
 13S

**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. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point 45.  
 Example: 123456  
 WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION BY USING THE POINT LIES.  
 Example: CG123456  
 WHEN REPORTING ACROSS THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.  
 Example: 13SCG123456



**BOUNDARIES**  
 Sierra County

**ADJOINING SHEETS**  
 4550 IV 4550 I 4550 VI  
 4550 III 4550 II 4550 VII  
 4549 IV 4549 I 4549 V

**ELEVATION GUIDE**  
 3800 3700 3600 3500 3400 3300  
 Highest High Medium Low