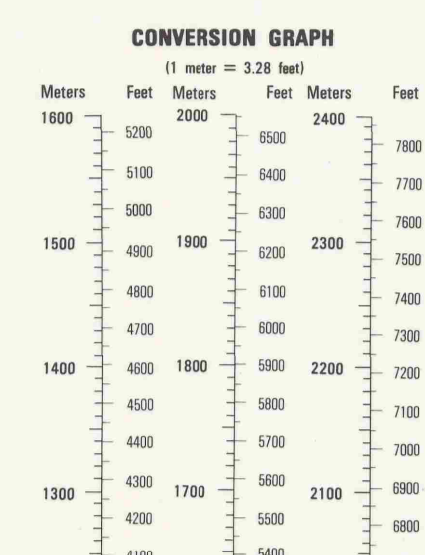


Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D. C.  
 MAP INFORMATION AS OF 1982.  
 SCALE 1:50,000  
 Meters 1000 500 0 1 2 3 4 5 Kilometers  
 1/2 1 2 3 4 5 Nautical Miles

**LEGEND**

- CAUTION: ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE NOT SHOWN.  
 A LANE ON THIS MAP IS CONSIDERED TO BE 25 METERS WIDE.
- 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
    - Bridge
    - RAILROADS (Standard gauge 1.44m - 4'9 1/2")
    - Single track
    - Multiple track
    - 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**
  - Quarry, School**
  - Power substation**
  - Windmill; Watermill**
  - Well; Tank**
  - Mine shaft**
  - Open pit mine or quarry**
  - Horizontal control station**
  - Bench mark, monument**
  - Bench mark, non-monument**
  - Spot elevations in meters**
  - Lenses, river, dikes**
  - 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** ..... 1000-METER UTM ZONE 13 (BLACK-NEBERED LINES)  
**100000-FOOT STATE GRID TICS, NEW MEXICO (WEST AND CENTRAL ZONES)**  
**VERTICAL DATUM** ..... TRANSVERSE MERCATOR  
**NATIONAL GEODETIC VERTICAL DATUM OF 1929**  
**HORIZONTAL DATUM** ..... 1927 NORTH AMERICAN DATUM  
**CONTROL BY** ..... U.S. AND MEXICAN  
**PREPARED BY** ..... U.S. GEOLOGICAL SURVEY  
**PUBLISHED BY** ..... DMAHC 7/86

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 OR RESTON, VIRGINIA 22092

**SAMPLE 1000 METER GRID SQUARE**

**100 METER REFERENCE**

- Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point 12.
- Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point 48.

**WHEN REPORTING A POINT IN UTM ZONE 13, PRINT THE 100,000 METER SQUARE IDENTIFICATION IN THE POINT LINE.**

**WHEN REPORTING A GRID ADJUTY TO A MONUMENT, PRINT THE GRID ZONE DESIGNATION AND THE GRID ZONE IDENTIFICATION.**

**WHEN REPORTING A GRID ADJUTY TO A MONUMENT, SUBTRACT 6-M ANGLE.**

**BOUNDARIES**      **ADJOINING SHEETS**

