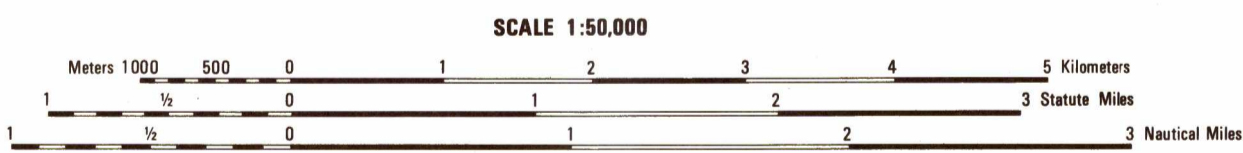


Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D.C.
 MAP INFORMATION AS OF 1983.



ELEVATIONS IN METERS

CONTOUR INTERVAL 20 METERS

SPHEROID: CLARKE 1866
 GRID: 100-METER UTM ZONE 12 (BLACK NUMBERED LINES)
 PROJECTION: TRANSVERSE MERCATOR
 VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929
 HORIZONTAL DATUM: 1983 NORTH AMERICAN DATUM
 CONTROL: U.S. AND MEXICAN
 PREPARED BY: U.S. GEOLOGICAL SURVEY
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 OR RESTON, VIRGINIA 22092

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. 45.4

EXAMPLE: 12345.6

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

EXAMPLE: V123456

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

EXAMPLE: 12RWT123456

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS AND COMMENTS TO THE NIMA CUSTOMER HELP DESK 1-800-455-6889 COMMERCIAL 1-314-260-1226 (TOLL FREE 800-338-2525) OR WRITE TO ATTN: CSD MAIL STOP P-37 NATIONAL MAPPING AND MAPPING AGENCY 4000 SANGHVIK ROAD, BETHESDA, MD 20815-5002

LEGEND

CAUTION: ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE NOT SHOWN.
 A LANE ON THIS MAP IS CONSIDERED TO BE 3.5 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.

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
- Railroad: Standard gauge (1.41m - 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
- Structure
- Church, School
- Power substation
- Windmill, Watermill
- Well, Tank
- Mine shaft
- Open pit mine or quarry
- Horizontal control station
- Bench mark, monumented
- Bench mark, non-monumented
- Spot elevations in meters
- Lakes, runs, dikes
- Levees, dams, dikes
- Woodland
- Scattered trees; Scrub
- Vineyard; Orchard; plantation
- Intermittent lake; Dam; Earth; Masonry
- Stream; Perennial; Intermittent
- Marsh, swamp
- Small falls; Large falls
- Small rapids; Large rapids

CONVERSION GRAPH
 (1 meter = 3.28 feet)

Meters 1400 1300 1200 1100 1000 900
 Feet 4600 4300 4000 3700 3400 3100

BOUNDARIES ADJOINING SHEETS

