

Prepared and published by the National Geospatial-Intelligence Agency  
 MAP INFORMATION AS OF 2003

- LEGEND**
- POPULATED PLACES:**
    - Densely built-up areas
    - Sparsely to moderately built-up areas
  - ROADS:**
    - All weather, hard surface: Divided highway, Two or more lanes wide, One lane wide
    - All weather, loose surface: Two or more lanes wide, One lane wide
    - Fair or dry weather, loose surface
    - Track, Trail
    - Route markers: International, National, Secondary
  - RAILROADS:**
    - Normal gauge 1.44m (4'8 1/2")
    - Narrow gauge
    - Electrified
    - International
    - First-order
    - Second-order
  - MISCELLANEOUS CULTURAL FEATURES:**
    - Building, Ruin, School
    - Church
    - Cemetery
    - Hospital, Helipad
    - Custom, Tank, Located object
    - Well, Landmark area
    - Artificial Runway, Dam
    - Mine: Active, Abandoned
    - Bridge, Pedestrian bridge
  - OBSTRUCTIONS (40m or higher):**
    - Elevation of obstruction top above sea level: 430, 170, < 46m
    - Elevation of obstruction top above ground level: > 46m
    - High tension powerlines
    - Catenary powerlines
  - DRAINAGE:**
    - Stream: Less than 25m wide, 25m wide or more
    - Ditch: Less than 25m wide, Spring
    - Well
    - Lake/pond
    - Swamp, Land subject to natural inundation
    - Stream: Disappearing, Disappearing
  - MISCELLANEOUS RELIEF:**
    - Spot elevation: Highest, Normal
    - Depression
    - Contour interval > Contour interval
    - Escarpment
    - Levee
    - Supplementary contour
    - Sand, Gravel
    - Distorted surface
  - VEGETATION:**
    - Woodland
    - Scrub, Orchard
    - Scattered trees
    - Area name: Mortmar

**NOTES**

A LAKE ON THIS MAP IS CONSIDERED TO BE AT LEAST 2.5 METERS (8 FEET) WIDE.

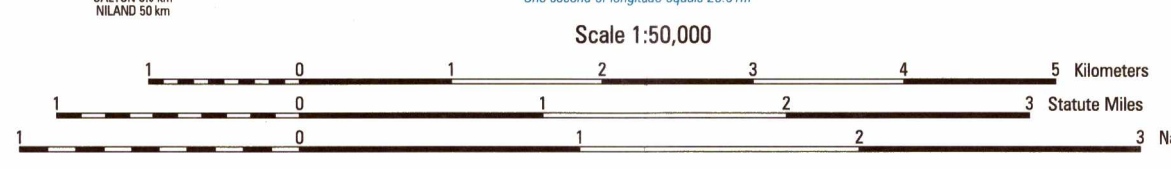
ROAD CLASSIFICATION SHOULD BE REFERRED TO WITH CAUTION.

IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED.

CAUTION: NOT ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE SHOWN.

NORTH AMERICAN DATUM 1983 (NAD 83) AND WORLD GEODETIC SYSTEM 1984 (WGS 84) ARE EQUIVALENT FOR MAPPING, CHARTING AND NAVIGATION AT THIS SCALE.

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**ELEVATIONS IN METERS**

**CONTOUR INTERVAL 20 METERS**

**ELIPSOID** WORLD GEODETIC SYSTEM 1984  
 1,000 METER UTM ZONE 11 (BLACK NUMBERED LINES)  
 5,000 METER STATE GRID TICS, CALIFORNIA ZONE 81  
 UNIVERSAL TRANSVERSE MERCATOR

**PROJECTION** NORTH AMERICAN VERTICAL DATUM OF 1929  
 HORIZONTAL DATUM NORTH AMERICAN DATUM 1983/WORLD GEODETIC SYSTEM 1984  
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**SAMPLE 1,000 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: 12.3
- Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point: 45.6

Example: 123456

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

Example: NT 123456

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

Example: 11NVT 123456

