



**HYDROGRAPHIC DATUM** ..... MEAN LOWER LOW WATER

Depth curve (meters)

Foresore flats

Rocks awash; Reef

Wreck: Exposed; Surken with masts exposed

Wharf, pier

Seawall

Oil/gas rig

NOT FOR NAVIGATIONAL PURPOSES



Prepared by the U.S. Geological Survey for publication by the National Imagery and Mapping Agency

MAP INFORMATION AS OF 1995

**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 ENCLOSURES WITHIN THE BOUNDARIES OF  
THE NATIONAL OR STATE RESERVATIONS SHOWN ON THIS MAP.

**LEGEND**

**ROADS**

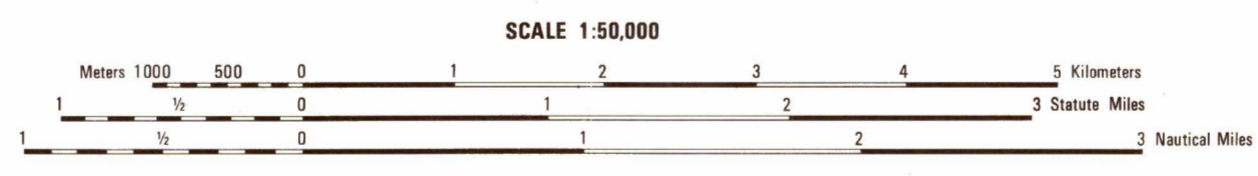
- Divided highway with median strip
- Primary, all weather, hard surface
- Secondary, all weather, hard surface
- Light duty, all weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Road markers: Interstate, Federal, State
- Bridge
- RAILROADS (Standard gauge 1.44m - 4'9 1/2")
- Single track
- Multiple track
- Nonoperating
- Railroad station: Location known; Location unknown
- Car line
- Tunnel: Highway, Railroad

**BOUNDARIES**

- National, with monument
- State, territory
- County, parish
- City, township, town
- Incorporated city, village, town
- Reservation: National, State, Military

**Other features:**

- Power transmission line
- Buildings
- Structures
- Church, School
- Power substation
- Windmill, Watermill
- Well, Tank
- Mine shaft
- Open pit mine or quarry
- Horizontal control station
- Bench mark, monument
- Bench mark, non-monumented
- Spot elevations in meters
- Leaves, rims, dikes
- Bluffs, cliffs
- 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

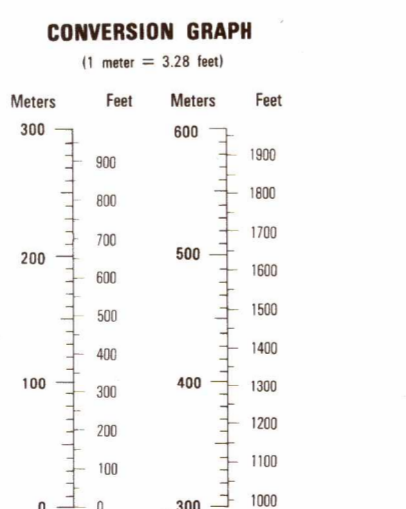


**ELEVATIONS IN METERS**

**CONTOUR INTERVAL 20 METERS**

ELIPSOID ..... WORLD GEODETIC SYSTEM 1984  
GEOCENTRIC REFERENCE SYSTEM 1980  
GRID ..... 1,000-METER UTM ZONE 11 (BLACK NUMBERED LINES)  
5,000-METER STATE GRID TICS, CALIFORNIA (ZONE 6)  
TRANSVERSE MERCATOR  
PROJECTION ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929  
VERTICAL DATUM ..... NORTH AMERICAN DATUM 1983  
HORIZONTAL DATUM ..... WORLD GEODETIC SYSTEM 1984  
CONTROL BY ..... USGS, NOS/NOAA AND USCE  
PREPARED BY ..... U.S. GEOLOGICAL SURVEY

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**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 45.8.

Example: 123456

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

Example: M7123456

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

Example: 11S M7123456

**THIS MAP IS RED-LIGHT READABLE**

