



USGS Library Reston, VA. Topo Archive

Prepared and published by the National Geospatial-Intelligence Agency

MAP INFORMATION AS OF 2002

LEGEND

POPULATED PLACES

- Densely built-up areas
- Sparsely to moderately built-up areas

ROADS

- All weather, hard surface
- Gravel 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: Interchange
- National, Secondary

RAILROADS

- Normal gauge 1.44m (4' 8 1/2")
- Narrow gauge
- Electrified

BOUNDARIES

- International
- First-order
- Second-order

MISCELLANEOUS CULTURAL FEATURES

- Building: Ruin, School
- Church
- Cemetery
- Hospital: Helipad
- Casino: Tank: Located object
- Well: Landmark area
- Airfield/Runway: Dam
- Mine: Active, Abandoned
- Bridge: Pedestrian bridge

OBSTRUCTIONS (46m or higher)

- Single
- Group
- Elevation of obstruction top above sea level
- Elevation of obstruction top above ground level

DRAINAGE

- Stream: Less than 25m wide, 25m wide or more, Less than 25m wide
- Ditch
- Swamp: Land subject to natural inundation
- Stream: Disappearing, Disappearing

MISCELLANEOUS RELIEF

- Spot elevation: Highest, Normal
- Depression
- Contour interval
- Levee
- Supplemental contour
- Sand: Gravel: Disturbed surface

VEGETATION

- Woodland
- Scrub: Orchard
- Scattered trees
- Area name

NOTES

A LANE 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.

CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters	Feet
400	1300
300	1000
200	700
100	300
0	0

ELEVATIONS IN METERS

CONTOUR INTERVAL 20 METERS

ELLIPSOID: 1,000-METER UTM ZONE 11 (BLACK NUMBERED LINES)

PROJECTION: UNIVERSAL TRANSVERSE MERCATOR

VERTICAL DATUM: NATIONAL GEODETIC DATUM OF 1929

HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983 (WORLD GEODETIC SYSTEM 1984)

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100 METER REFERENCE

1. Road line represents the vertical grid line (top of plot) and extends north (100 meters) from grid line to point 12.3.

2. Road line numbers showing the HORIZONTAL grid line below plot and extends north (100 meters) from grid line to point 45.0.

Example: 123456

WHEN REPORTING ACROSS A 100-METER SQUARE, PREFER THE 100-METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.

Example: 115P123456

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

Example: 115P123456

Scale 1:50,000

0 1 2 3 4 Kilometers

0 1 2 3 Statute Miles

0 1 2 3 Nautical Miles

BOUNDARIES

Nevada County

California Imperial County

ADJOINING SHEETS

2951 II	3051 II	3051 II
2950 I	3050 IV	3050 I
2950 II	3050 II	3050 II

SLOPE GUIDE

PERCENTAGE

DEGREE

14% 13% 12% 11% 10% 9% 8% 7% 6% 5% 4% 3% 2% 1%

8.0° 7.4° 6.8° 6.3° 5.7° 5.1° 4.6° 4.0° 3.4° 2.8° 2.2° 1.6° 1.0° 0.4°

AB - HORIZONTAL DISTANCE BETWEEN CONTOURS

AC - HORIZONTAL DISTANCE BETWEEN INDEX CONTOURS

ELEVATION GUIDE

High

Medium

Low

630 302 108

300 218 200

190 282 100

151

GRID CONVERGENCE

1715 (20 1/2 MILS) FOR CENTER OF SHEET

2000 G.M. ANGLE (200 MILS)

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH ADD G.M. ANGLE

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH SUBTRACT G.M. ANGLE