

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
 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

RAILROADS
 Normal gauge 1.44m (4' 8 1/2")
 Single Track
 Multiple Track
 Narrow gauge
 Electric

BOUNDARIES
 International
 First-order
 Second-order

MISCELLANEOUS CULTURAL FEATURES
 Building, Run, School
 Church
 Cemetery
 Hospital, Helipad
 Custom, Tank, Located object
 Well, Landmark area
 Airfield/Runway, Dam
 Mine: Active, Abandoned
 Bridge, Pedestrian bridge

OBSTRUCTIONS (46m or higher)
 Elevation of obstruction top above sea level
 430
 Elevation of obstruction top above ground level
 (70) < 46m
 > 46m

High tension powerlines
 Catenary powerlines

DRAINAGE
 Perennial
 Intermittent
 Stream: Less than 25m wide
 25m wide or more
 Ditch: Less than 25m wide
 Spring
 Well
 Landpond
 Swamp: Land subject to natural inundation
 Stream: Disappearing; Disappearing

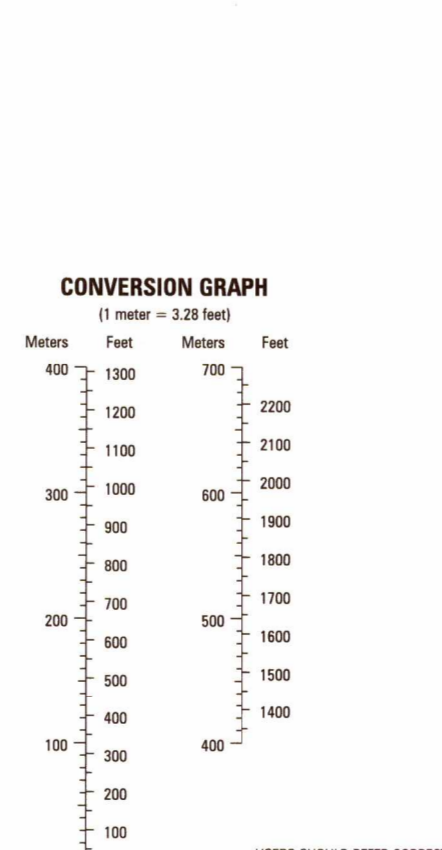
MISCELLANEOUS RELIEF
 Spot elevation: Highest, Normal
 Depression
 Escarpment < Contour interval > Contour interval
 Levee
 Supplementary contour
 Sand, Gravel, Disturbed surface

VEGETATION
 Woodland
 Shrub, Orchard
 Scattered trees
 Area name
 Mule Mountains

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



ELEVATIONS IN METERS

Scale 1:50,000
 0 1 2 3 4 5 Kilometers
 0 1 2 3 Statute Miles
 0 1 2 3 Nautical Miles

CONTOUR INTERVAL 20 METERS

ELLIPSOID WORLD GEODETIC SYSTEM 1984
 1,000-METER UTM ZONE 11 (BLACK NUMBERED LINES)
VERTICAL DATUM NATIONAL TRANSVERSE MERCATOR
 9,000-METER STATE GRID TICS (CALIFORNIA ZONE 8)
PROJECTION UNIVERSAL TRANSVERSE MERCATOR
HORIZONTAL DATUM NORTH AMERICAN DATUM 1983
PRINTED BY NORTH AMERICAN DATUM 1983/WORLD GEODETIC SYSTEM 1984
 Reprinted by NGA 11-05

SAMPLE 1,000-METER GRID SQUARE

46	47
12	13

100-METER SQUARE IDENTIFICATION

PT 1100
102

GRID ZONE DESIGNATION
11S

100-METER REFERENCE

- Read large numbers labeling the VERTICAL grid line and line of letter designations (alpha 100 meters) from grid line to point: 12 3
- Read large numbers labeling the HORIZONTAL grid line and line of letter designations (alpha 100 meters) from grid line to point: 45 6

Example: 123456

WHEN REPORTING ACROSS A 100-METER LINE
 PREFIX THE 100-METER SQUARE IDENTIFICATION BY WHICH THE POINT LIES.
 Example: PT 123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.
 Example: 11SP123456

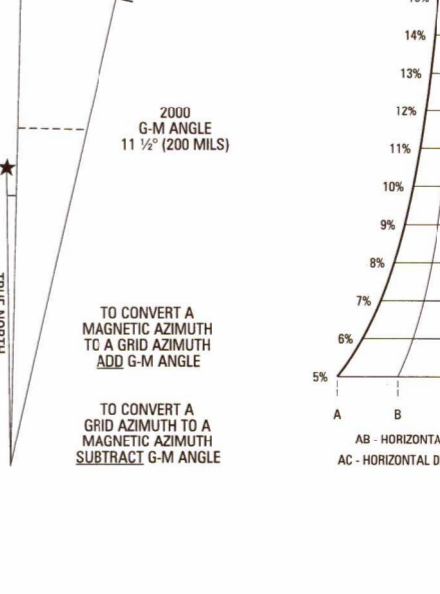
BOUNDARIES



ADJOINING SHEETS



SLOPE GUIDE



ELEVATION GUIDE

