

Prepared and published by the National Imagery and Mapping Agency

MAP INFORMATION AS OF 1999

LEGEND

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

ROADS
 All weather, hard surface:
 Divided: Medium < 40m
 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
 Railroads
 Normal gauge 1.41m (4' 8 1/2")
 Narrow gauge 1.0m (3' 3 1/2")

BOUNDARIES
 First-order administrative division
 Second-order administrative division
 Military reservation
 Reservation
 National state
 Miscellaneous Cultural Features
 Building: School
 Church: Cemetery
 Located object: Well; Tank
 Hospital: Helipad
 Mine: Active; Abandoned
 Bridge: Culvert
 Fence
 Landmark area

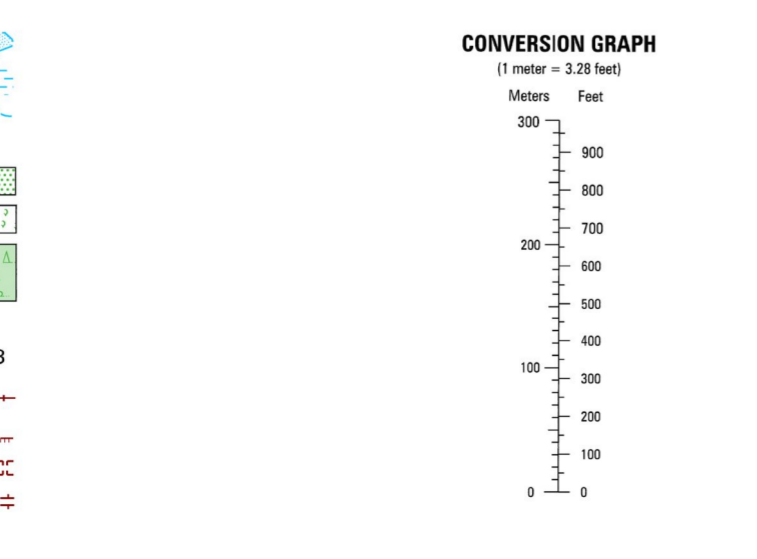
OBSTRUCTIONS
 Elevation of obstruction top above sea level (< 45m)
 Elevation of obstruction top above ground level (> 45m)
 High tension powerlines
 Category powerlines
 Telephone or telegraph line

DRAINAGE
 Streams:
 Less than 25m wide
 25m wide or more
 Spring
 Well
 Lakes: Perennial
 Intermittent; Dry
 Swamp or Marsh: Land subject to natural inundation
 Cistern; Disappearing stream

VEGETATION
 Orchard; Vineyard
 Scrub; Scattered trees
 Woodlands:
 Evergreen
 Deciduous; Mixed
 Spot elevation: highest; Normal *129 *38
 Depression; Embankment
 Cliff > contour interval
 Cliff < contour interval
 Cut > contour interval
 Cut < contour interval
 Fill > contour interval
 Fill < contour interval

NOTES

A LANE ON THIS MAP IS CONSIDERED TO BE AT LEAST 2.5 METERS (8 FEET) WIDE.
 IN DEVELOPED AREAS, ONLY THROUGH ROADS ARE CLASSIFIED.
 ROAD CLASSIFICATION SHOULD BE REFERRED TO WITH CAUTION.
 CAUTION: NOT ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE SHOWN.



ELEVATIONS IN METERS
 CONTOUR INTERVAL 10 METERS

ELLIPSOID WORLD GEODETIC SYSTEM 1984
GRID PROJECTION TRANSVERSE MERCATOR
VERTICAL DATUM MEAN SEA LEVEL
HORIZONTAL DATUM WORLD GEODETIC SYSTEM 1984
 PRINTED BY NIMA 6-01
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COORDINATE CONVERSION WGS 84 TO NAD 27
 Grid Add: 168.6m; Subtract 308.0m
 Geographic: Subtract 0.6" Long; Subtract 0.7" Lat.

EXAMPLE 100 METER GRID SQUARE

46	45
12	13

100,000 M. SQUARE IDENTIFICATION
 WQ
 GRID ZONE DESIGNATION
 15R

100 METER REFERENCE

- Read large numbers labeling the VERTICAL grid line to the 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
 BREAK THE 100,000 METER SQUARE IDENTIFICATION AT WHICH THE POINT LIES.
 Example: WQ123456

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

BOUNDARIES

ADJOINING SHEETS

7346 I	7446 IV	7446 I
7346 II	7446 III	7446 II
7346 I	7446 IV	7446 I

ELEVATION GUIDE

SLOPE GUIDE
 PERCENTAGE DEGREE

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

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

AB: HORIZONTAL DISTANCE BETWEEN CONTOURS
 AC: HORIZONTAL DISTANCE BETWEEN INDEX CONTOURS