

Prepared and published by the National Imagery and Mapping Agency

MAP INFORMATION AS OF 1997

LEGEND

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

ROADS
 All weather, hard surface:
 Divided
 Two or more lanes wide
 One lane wide
 All weather, loose surface:
 Two or more lanes wide
 One lane wide
 Dirt or weather loose surface
 Trail

RAILROADS
 Normal gauge 1.44m (4' 8 1/2")
 Narrow gauge 1.0m (3' 3 3/8")

BOUNDARIES
 Military
 First order administrative division
 Second order administrative division
 Reservation: National forest, Wildlife preserve

MISCELLANEOUS CULTURAL FEATURES
 Building: School
 Church: Moslem, Methodist, Cemetery, Christian, Islamic
 Located object: Well, Tank
 Mine: Active, Abandoned
 Bridge: Covered
 Tunnel: Road, Railroad
 Landmark area

OBSTRUCTIONS (40m or higher)
 Elevation of obstruction top above sea level
 Elevation of obstruction top above ground level

High tension powerlines
 Catenary powerlines
 Telephone or telegraph line

DRAINAGE
 Streams:
 Less than 25m wide
 25m wide or more
 Spring
 Well
 Lakes: Perennial, Intermittent, Dry
 Swamp, Marsh, Land subject to national reservation
 Custom: Disappearing stream

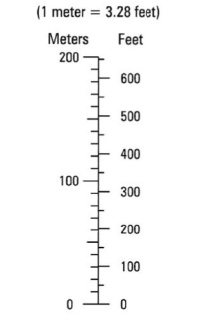
VEGETATION
 Orchard, Vineyard
 Scrub, Scattered trees
 Woodlands:
 Emergent
 Deciduous

MISCELLANEOUS RELIEF
 Spot elevation: Highest, Normal
 Depression: Embankment

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.

CONVERSION GRAPH



ELEVATIONS IN METERS

CONTOUR INTERVAL 10 METERS

ELIPSOID: WORLD GEODETIC SYSTEM 1984
 GRID: UTM
 PROJECTION: TRANSVERSE MERCATOR
 VERTICAL DATUM: MEAN SEA LEVEL
 HORIZONTAL DATUM: WORLD GEODETIC SYSTEM 1984
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100 METER REFERENCE

SAMPLE 100 METER GRID SQUARE

1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point. 12.3

2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 45.6

Example: 123456

100,000 M. SQUARE IDENTIFICATION

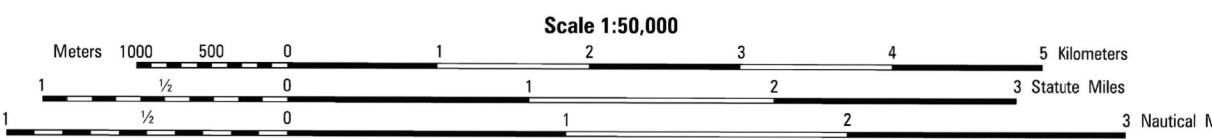
VD

GRID ZONE DESIGNATION

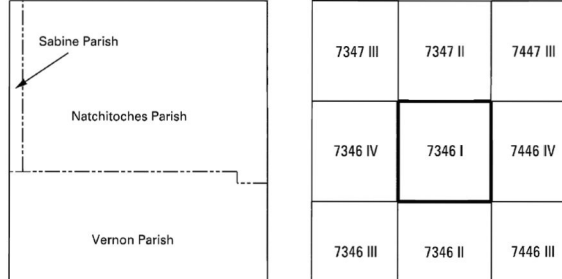
18R

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES. Example: 123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION. Example: 18R0123456



BOUNDARIES



ADJOINING SHEETS

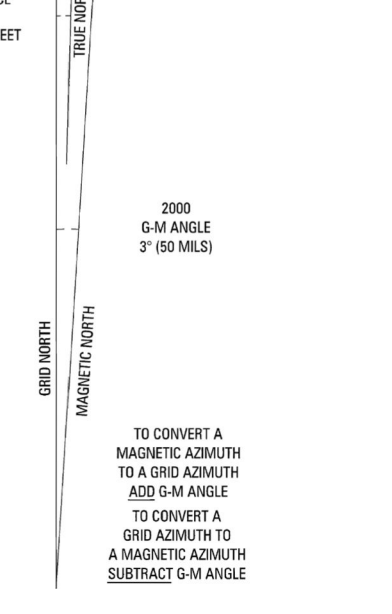
7347 III	7347 II	7447 III
7346 IV	7346 I	7446 IV
7346 III	7346 II	7446 II

Sheet 7346 I falls within 10° 12' 10" - 12° 00' 00" N

ELEVATION GUIDE



SLOPE GUIDE



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

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-45-8888 COMMERCIAL 214-261-8584 FOR WRITING TO: DIRECTOR, NATIONAL GEOGRAPHIC INTELLIGENCE AGENCY, ATTN: ES, MAIL STOP L-88, 4800 SANDHAMM ROAD, BETHESDA, MD 20818-5003.