

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

MAP INFORMATION AS OF 1998

LEGEND

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

ROADS
 Divided highway
 All weather, hard surface
 Two or more lanes wide
 One lane wide
 All weather, loose or light surface
 Two or more lanes wide
 One lane wide
 Fair or dry weather, loose surface
 Track
 Route markers: Interstate
 National, Secondary
 State, Municipal

RAILROADS
 Normal gauge 1.44m (47'3")
 Narrow gauge 0.91m (29'7")
 Electrified
 Pedestrian
 Standard
 Client

MISCELLANEOUS CULTURAL FEATURES
 Church
 Cemetery
 Building: School, Hospital
 Client
 Located object: Tank, Well
 Mine: Active, Abandoned
 Mine name

OBSTRUCTIONS
 Elevation of obstruction top above sea level
 Elevation of obstruction top above ground level
 High tension power line: communication tower
 Single
 Group

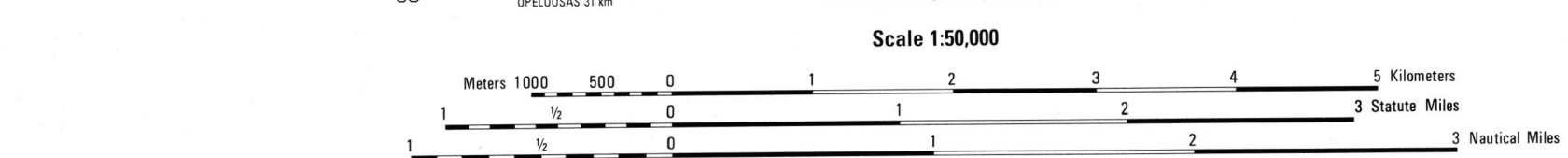
BOUNDARIES
 International
 First-order administrative division
 Second-order administrative division

RELIEF
 Bluff, cliff, escarpment
 Depression
 Levee: Sand
 Spot elevations: Highest: Normal
 Highest: Perennial

DRAINAGE
 Stream: Less than 25m wide
 Over 25m wide
 Lake/pond
 Spring
 Well
 Ditches: Less than 25m wide
 Over 25m wide
 Tank
 Disappearing stream
 Land subject to inundation

VEGETATION
 Woodland
 Scrub: Scattered trees
 Orchard: Swamp

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 POWER 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.
 SLOPES ON THIS MAP ARE LESS THAN 5%.



ELEVATIONS IN METERS
CONTOUR INTERVAL 5 METERS

ELLIPSOID: WORLD GEODETIC SYSTEM 1984
 GRID: 1,000-METER UTM ZONE 19 (BLACK NUMBERED LINES)
 PROJECTION: TRANSVERSE MERCATOR
 VERTICAL DATUM: NATIONAL GEODETIC DATUM OF 1989
 HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983 (NAD 83)
 PREPARED BY: U.S. GEOLOGICAL SURVEY
 PRINTED BY: USGS 11-99

CONVERSION GRAPH
 (1 meter = 3.28 feet)

SAMPLE 1,000 METER GRID SQUARE

100 METER REFERENCE

1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (000 meters from grid line to point). 12.3

2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (000 meters from grid line to point). 45.6

Example: 123456

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.
 Example: W0123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.
 Example: 19R0123456

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-8899; COMMERCIAL: 301-303-4864; 301-303-4864 OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL INTELLIGENCE AGENCY, ATTN: 65, MAIL STOP L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20818-5003.

© COPYRIGHT 2000 BY THE UNITED STATES OF AMERICA
 NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.

BOUNDARIES

ADJOINING SHEETS

7548 III	7548 II	7548 III
7545 IV	7545 I	7545 IV
7545 III	7545 II	7545 III

ELEVATION GUIDE

THIS MAP IS RED AND BLUE/GREEN LIGHT READABLE

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH
 SUBTRACT 6.4 M ANGLE

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH
 ADD 6.4 M ANGLE

GRID CONVERGENCE 07'27" (0.13 MILS) FOR CENTER OF SHEET

3000 G-M ANGLE 2' (0.1 MILS)

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-8899; COMMERCIAL: 301-303-4864; 301-303-4864 OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL INTELLIGENCE AGENCY, ATTN: 65, MAIL STOP L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20818-5003.

© COPYRIGHT 2000 BY THE UNITED STATES OF AMERICA
 NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.