

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

MAP INFORMATION AS OF 1996

LEGEND

POPULATED PLACES
 Densely built-up areas
 Sparsely 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

RAILROADS
 Normal gauge 1.4m (48")
 Narrow gauge 0.91m (30")

BRIDGES
 Pedestrian
 Standard
 Culvert

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

OBSTRUCTIONS
 Elevation of obstruction top above sea level
 Elevation of obstruction top above ground level
 High tension power line
 Communication tower

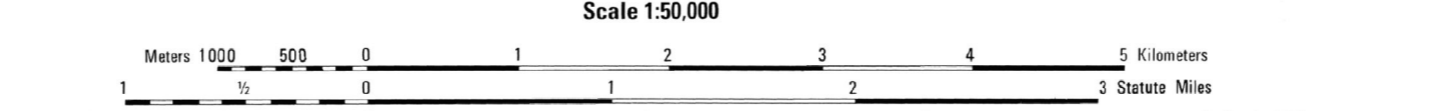
BOUNDARIES
 International
 First-order administrative division

RELIEF
 Bluff, cliff, escarpment
 Depression
 Level: Sand
 Spot elevations
 Highest: Normal
 Lowest

OBARRIAGE
 Steepness
 Less than 25m wide
 Over 25m wide
 Lake/pond
 Spring
 Well
 Ditch
 Less than 25m wide
 Over 25m wide
 Disappearing stream
 Land subject to inundation

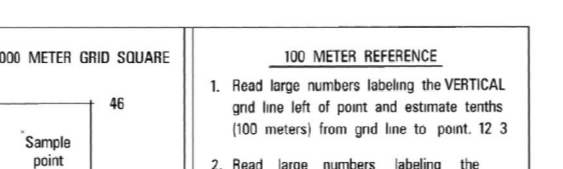
VEGETATION
 Woodland
 Scrub: Scattered trees
 Orchard
 Swamp

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 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.
 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 17 (BLACK NUMBERED LINES)
 PROJECTION: TRANSVERSE MERCATOR
 VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929
 HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983/WORLD GEODETIC SYSTEM 1984
 PREPARED BY: U.S. GEOLOGICAL SURVEY



CONVERSION GRAPH
 (1 meter = 3.28 feet)

Meters: 0, 100, 200, 300, 400, 500
 Feet: 0, 100, 200, 300, 400, 500

100,000 M. SQUARE IDENTIFICATION: NK
 GRID ZONE DESIGNATION: 17R

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

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.
 Example: NK123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.
 Example: 17R123456

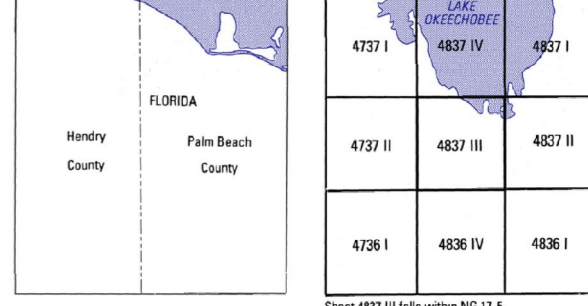
GRID CONVERGENCE
 0.001 11 MIL
 FOR CENTER OF SHEET

1995
 G-M ANGLE
 4" (10 MILS)

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

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

BOUNDARIES **ADJOINING SHEETS**



ELEVATION GUIDE

