

HYDROGRAPHIC DATUM MEAN LOWER LOW WATER

- Depth curve (meters)
- Freshwater flats
- Rocks, awash; Reef
- Wreck, exposed; Sunken with masts exposed
- Wharf, pier
- Seawall
- Dredging

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
 One lane wide
 All weather, loose or light surface
 Two or more lanes wide
 One lane wide

RAILROADS
 Normal gauge 1.4m (4'6")
 Narrow gauge 0.91m (3')
 Electrified

BRIDGES
 Pedestrian
 Standard
 Culvert

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

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
 Spot elevations
 Highest, Normal
 Personal intermittent

DRAINAGE
 Stream
 Less than 25m wide
 Over 25m wide
 Lake/pond
 Spring
 Well
 Ditch
 Less than 25m wide
 Over 25m wide
 Dissipating 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
 PROJECTION: 1,000 METER UTM ZONE 17 (BLACK NUMBERED LINES)
 VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929
 HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983/WORLD GEODETIC SYSTEM 1984
 PREPARED BY: U.S. GEOLOGICAL SURVEY NIMA 4-99

CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters: 0, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000

Feet: 0, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000

100,000 M. SQUARE IDENTIFICATION

GRID ZONE DESIGNATION: 17R

100 METER REFERENCE

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

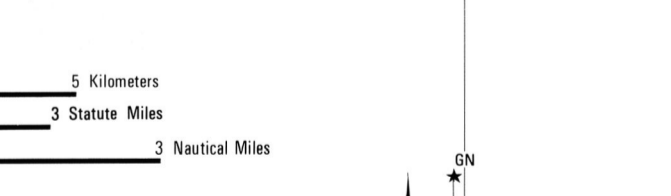
WHEN REPORTING ACROSS A 100,000 METER SQUARE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.

Example: 17R123456

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

Example: 17R123456

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-6862, COMMERCIAL 314-263-4864, OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN: ES, MAIL STOP 1-86, 4600 BANGAMORE ROAD, BETHESDA, MD 20816-5003.



GRID CONVERGENCE
 0°10' (3 MILS) FOR CENTER OF SHEET

1983 G-M ANGLE 41° (180 MILS)

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

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

THIS MAP IS RED AND BLUE/GREEN LIGHT READABLE

BOUNDARIES

Martin County
 Palm Beach County

ADJOINING SHEETS

4838 III
 4838 II
 4837 I
 4837 IV
 4837 III
 4837 II
 4837 I

