FLORIDA 1:50,000

DE LAND

EDITION 1–DMA SERIES V747 SHEET 4742 III

One second of longitude equals 27.00m

One second of latitude equals 30.79m

420 000 FEET

1 780 000 FEET

350 000 FEET

1 700 000 FEET

Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D.C.

MAP INFORMATION AS OF 1988-89.

LEGEND

CAUTION: ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE NOT SHOWN.

A LANE ON THIS MAP IS CONSIDERED TO BE 2.5 METERS WIDE.

IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED.

THERE MAY BE PRIVATE INHOLDINGS WITHIN THE BOUNDARIES OF THE NATIONAL OR STATE RESERVATIONS SHOWN ON THIS MAP.

ROADS
- Divided highway with median strip
- Primary, all weather, hard surface
- Secondary, all weather, hard surface
- Light duty, all weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Route markers: Interstate; Federal; State
- Bridge

RAILROADS (Standard gauge 1.44m. – 4'8½")
- Single track
- Multiple track (3 TRACKS)
- Nonoperating
- Railroad station: Location known; Location unknown
- Car line
- Railroad bridge
- Tunnel: Highway; Railroad

BOUNDARIES
- National, with monument
- State, territory
- County, parish
- Civil township, town
- Incorporated city, village, town
- Reservation: National; State; Military (MIL RES)

- Power transmission line
- Buildings
- Structures
- Church; School
- Power substation
- Windmill; Watermill
- Well; Tank
- Mine shaft
- Open pit mine or quarry
- Horizontal control station
- Bench mark, monumented (BM × 219.2)
- Bench mark, non-monumented (× 143.9)
- Spot elevations in meters (• 144)
- Levees, rims, dikes
- Bluffs, cliffs
- Woodland
- Scattered trees; Scrub
- Vineyard; Orchard, plantation
- Intermittent lake; Dam: Earthen; Masonry
- Stream: Perennial; Intermittent
- Marsh, swamp
- Small falls; Large falls (Falls)
- Small rapids; Large rapids (Rapids)

CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters 100, 0 — Feet 300, 200, 100, 0

SCALE 1:50,000

Meters 1000 500 0 1 2 3 4 5 Kilometers

1 ½ 0 1 2 3 Statute Miles

1 ½ 0 1 2 3 Nautical Miles

ELEVATIONS IN METERS

CONTOUR INTERVAL 5 METERS

ELLIPSOID	CLARKE 1866
GRID	1,000-METER UTM ZONE 17 (BLACK NUMBERED LINES) 10,000-FOOT STATE GRID TICKS, FLORIDA (EAST ZONE)
PROJECTION	TRANSVERSE MERCATOR
VERTICAL DATUM	NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM	1927 NORTH AMERICAN DATUM
CONTROL BY	USGS, NOS/NOAA AND FLORIDA DEPARTMENT OF TRANSPORTATION
PREPARED BY	U.S. GEOLOGICAL SURVEY
PUBLISHED BY	DMA 9-95

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SAMPLE 1,000 METER GRID SQUARE: Sample point; 46, 45, 12, 13

100,000 M. SQUARE IDENTIFICATION: MC

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 LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.

Example: MC123456

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

Example: 17RMC123456

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4864; DSN 693-4864; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN.: ES, MAIL STOP L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

GN — MAGNETIC NORTH — GRID NORTH — TRUE NORTH

1985 G-M ANGLE 2½° (40 MILS)

GRID CONVERGENCE 0°11' (3/5 MILS) FOR CENTER OF SHEET

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

SLOPE GUIDE

PERCENTAGE	DEGREE
15%	8.5°
14%	8.0°
13%	7.4°
12%	6.9°
11%	6.3°
10%	5.7°
9%	5.2°
8%	4.6°
7%	4.0°
6%	3.4°
5%	2.9°

A B C

AB—HORIZONTAL DISTANCE BETWEEN CONTOURS
AC—HORIZONTAL DISTANCE BETWEEN INDEX CONTOURS

BOUNDARIES

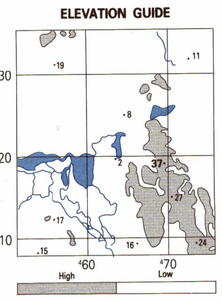
Volusia County; Lake County

ADJOINING SHEETS

4642 I	4742 IV	4742 I
4642 II	4742 III	4742 II
4641 I	4741 IV	4741 I

Sheet 4742 III falls within NH 17-8, 1501, 1:250,000.

ELEVATION GUIDE



THIS MAP IS RED LIGHT READABLE

NSN 7643014052137

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