



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

MAP INFORMATION AS OF 1995

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 (4'8 1/2")
 Narrow gauge 0.91m (3')
 Electric

BRIDGES
 Pedestrian
 Standard

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
 Levels: Sand
 Spot elevations: Highest: Normal
 23
 11
 Parenteral Intermittent

DRAINAGE
 Streams
 Less than 25m wide
 Over 25m wide
 Lake/pond
 Spring
 Well
 Ditches
 Less than 25m wide
 Over 25m wide
 Tank
 Discharging stream
 Land subject to inundation

VEGETATION
 Woodland
 Scrub: Scattered trees
 Scrub: Vineyard

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%

Scale 1:50,000

Meters 1000 500 0 1 2 3 4 5 Kilometers

Statute Miles 0 1 2 3

Nautical Miles 0 1 2 3

ELEVATIONS IN METERS
CONTOUR INTERVAL 5 METERS

ELLIPSOID: WORLD GEODETIC SYSTEM 1984
 GRID: 1,000-METER UTM ZONE 14 (BLACK NUMBERED LINES)
 5,000-METER STATE GRID TICS, TEXAS (GOUTH ZONE)
 TRANSVERSE MERCATOR
 VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929
 HORIZONTAL DATUM: WORLD GEODETIC SYSTEM 1984
 PREPARED BY: U.S. GEOLOGICAL SURVEY
 PRINTED BY: NIMA 8-99

CONVERSION GRAPH
 (1 meter = 3.28 feet)

Meters	Feet
0	0
100	300
200	600
300	900

SAMPLE 1000 METER GRID SQUARE

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: P0123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.
 Example: 14R0123456

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0889, COMMERCIAL: 1-314-266-5022, DSN 496-5022, OR WRITE TO: ATTN: CDD, MAIL STOP P-37, NATIONAL IMAGERY AND MAPPING AGENCY, 4800 SANGHVI ROAD, BETHESDA, MD 20818-5003.

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BOUNDARIES

TEXAS
 Kennedy County

ADJOINING SHEETS

6438 III	6438 II	6438 I
6437 IV	6437 III	6437 II
6437 III	6437 I	6437 I

Sheet 6437 I (in white) on 14 R
 100 100 100

ELEVATION GUIDE

12
10
7
9
5

80
70
60

30
40

23

1996 G-M ANGLE 5° (100 MILS)

GRID CONVERGENCE 0°37' (11 MILS) FOR CENTER OF SHEET

GRID NORTH
 MAGNETIC NORTH
 TRUE NORTH

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

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

THIS MAP IS RED AND BLUE/GREEN LIGHT READABLE

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