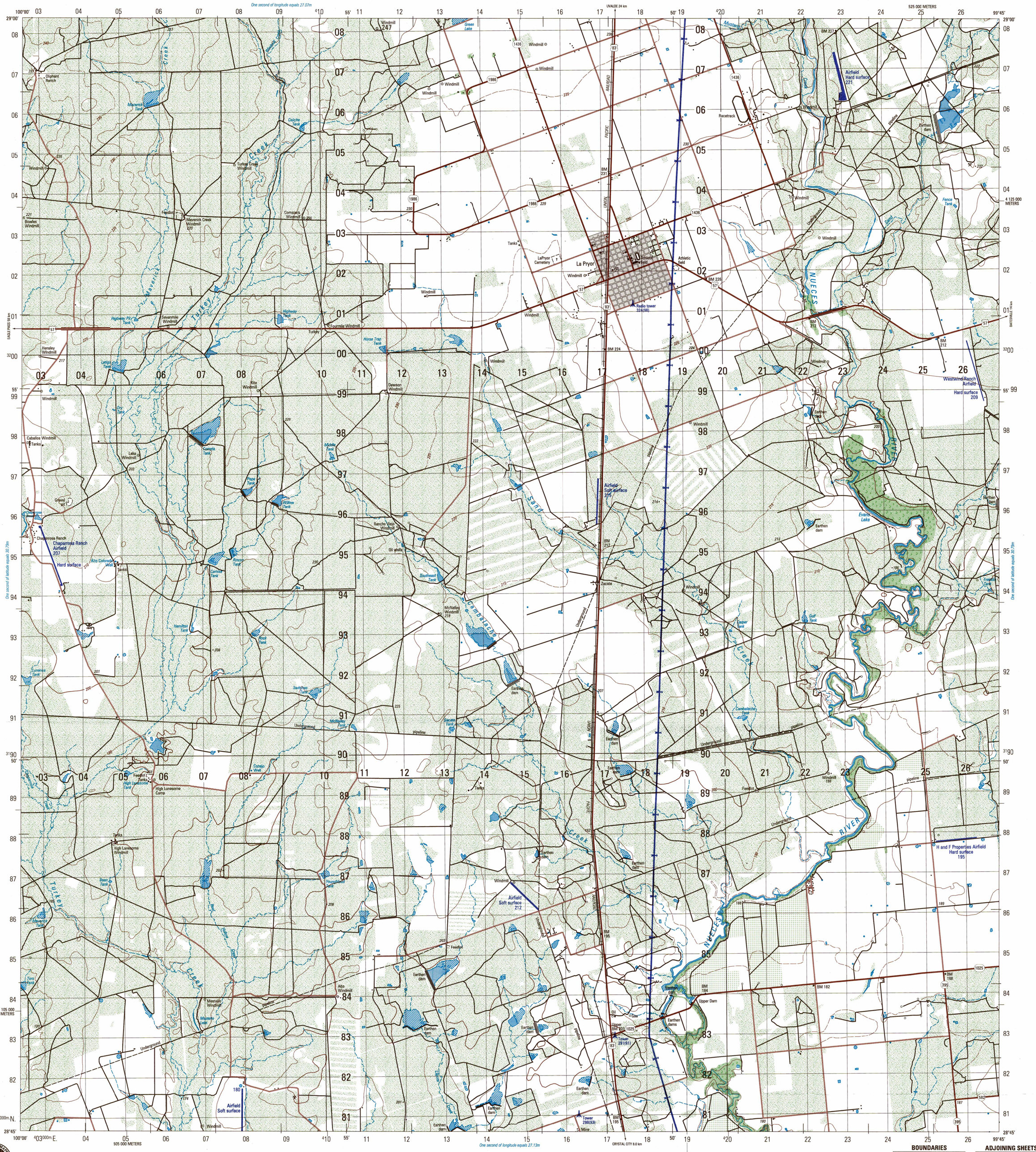


Prepared and published by the National Imagery and Mapping Agency

MAP INFORMATION AS OF 2001

LEGEND

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

ROADS
- All weather, hard surface: Divided highway
- Two or more lanes wide
- One lane wide
- All weather, loose surface: Two or more lanes wide
- One lane wide
- Fair or dry weather, loose surface
- Track; Trail
- Route markers: Interstate; National; Secondary (10, 55, 20)

RAILROADS (Single Track, Multiple Track)
- Normal gauge 1.44m (4' 8½")
- Narrow gauge
- Electrified

BOUNDARIES
- International
- First-order
- Second-order

MISCELLANEOUS CULTURAL FEATURES
- Building; Ruin; School
- Church
- Cemetery
- Hospital; Heliport (H)
- Cistern; Tank; Located object (Silo, Oil)
- Well; Landmark area (Oil)
- Airfield/Runway; Dam (Earthen)
- Mine: Active; Abandoned
- Bridge; Pedestrian bridge

OBSTRUCTIONS (46m or higher) (Single, Group)
- Elevation of obstruction top above sea level (430)
- Elevation of obstruction top above ground level (70)
- < 46m, ≥ 46m
- High tension powerlines
- Catenary powerlines

DRAINAGE (Perennial, Intermittent)
- Stream: Less than 25m wide; 25m wide or more
- Ditch: Less than 25m wide (Ditch)
- Spring
- Well
- Lake/pond
- Swamp; Land subject to natural inundation
- Stream: Disappearing; Dissipating

MISCELLANEOUS RELIEF
- Spot elevation: Highest; Normal (247, 175)
- Depression (< Contour interval, ≥ Contour interval)
- Levee
- Escarpment
- Supplementary contour
- Sand; Gravel; Distorted surface

VEGETATION
- Woodland
- Scrub; Orchard; Scattered trees
- Area name (Chacon)

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.

Scale 1:50,000

1 0 1 2 3 4 5 Kilometers

1 0 1 2 3 Statute Miles

1 0 1 2 3 Nautical Miles

ELEVATIONS IN METERS

CONTOUR INTERVAL 10 METERS

SUPPLEMENTARY CONTOURS 5 METERS

ELLIPSOID ..... WORLD GEODETIC SYSTEM 1984
GRID ..... 1,000-METER UTM ZONE 14 (BLACK NUMBER LINES)
5,000-METER GRID TICKS, TEXAS (CENTRAL ZONE)
PROJECTION ..... UNIVERSAL TRANSVERSE MERCATOR
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM .... NORTH AMERICAN DATUM 1983/WORLD GEODETIC SYSTEM 1984
PRINTED BY ..... NIMA 9-02

GRID CONVERGENCE 0°25' (7 ½ MILS) FOR CENTER OF SHEET

GN — TRUE NORTH — GRID NORTH — MAGNETIC NORTH

2000 G-M ANGLE 7 ½° (130 MILS)

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

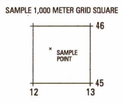
TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH SUBTRACT G-M ANGLE

CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters: 400, 300, 200, 100
Feet: 1300, 1000, 900, 800, 700, 600, 500, 400

SAMPLE 1,000 METER GRID SQUARE



100,000 M. SQUARE IDENTIFICATION

MT 3200
MS

GRID ZONE DESIGNATION

14R

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: 1 2 3
2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point: 4 5 6

Example: 123456

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

Example: MS123456

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

Example: 14RMS123456

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 20861-5003.

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BOUNDARIES

TEXAS
Zavala County

ADJOINING SHEETS

5942 II	6042 III	6042 II
5941 I	6041 IV	6041 I
5941 II	6041 III	6041 II

Sheet 6041 IV falls within NH 14-11, 1501, 1:250,000.

For state purposes only; not necessarily an indication of published maps.

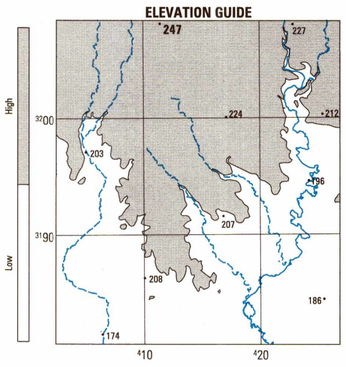
SLOPE GUIDE

PERCENTAGE	DEGREE
15%	8.5°
14%	8.0°
13%	7.4°
12%	6.8°
11%	6.3°
10%	5.7°
9%	5.1°
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

ELEVATION GUIDE



THIS MAP IS RED-LIGHT READABLE

NAD 83/WGS 84

USGS 28099-G7-TM-050

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NIMA Ref No. V782X60414
ED. NO. 001