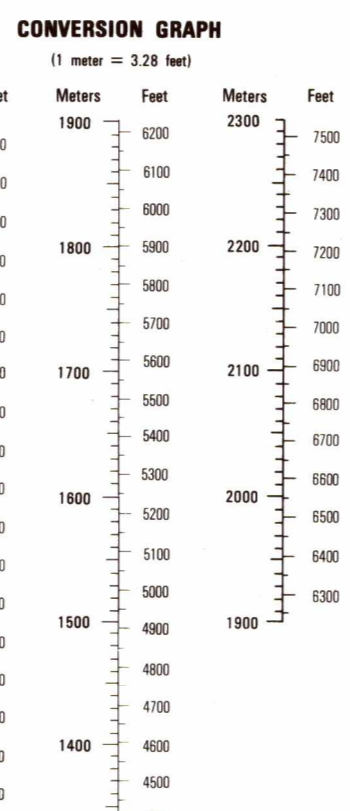


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MAP INFORMATION AS OF 1990

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 ENCLOSURES 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
Bridges
RAILROADS (Standard gauge 1.44m - 4'8 1/2")
Single track
Multiple track
Nonoperating
Railroad station: Location known; Location unknown
Car line
Railroad bridge
Tunnel: Highway, Railroad
County parish
Bench mark, monument
Bench mark, non-monument
Spot elevations in meters: Highest; Normal
BOUNDARIES
National, with monument
State, territory
County, parish
Civil township, town
Incorporated city, village, town
Reservation: National, State, Military
- OBSTRUCTIONS**
Elevation of obstruction top above sea level
Elevation of obstruction top above ground level
Power transmission line
Buildings
Windmill; Watermill
Well; Tank
Church; School
Power substation
Open pit mine or quarry; Mine shaft
Horizontal control station
Fence
Lanes, rills, dikes
Bluffs, cliffs
Woodland
Saturated area: Sand
Vineyard; Orchard; plantation
Intermittent lake; Dam; Earthen; Masonry
Stream; Perennial; Intermittent
Marsh; swamp
Small falls; Large
Small rapids; Large rapids



ELEVATIONS IN METERS
CONTOUR INTERVAL 20 METERS

PROJECTION TRANSVERSE MERCATOR
GRID 1,000 METER UTM ZONE 13, GEODETIC REFERENCE SYSTEM 1983 ELLIPSOID (BLACK NUMBERED LINES)
..... 1,000 METER UTM ZONE 13, CLARKE 1866 ELLIPSOID (BLUE NUMBERED LINES)
HORIZONTAL DATUM NORTH AMERICAN DATUM 1983
VERTICAL DATUM MEAN SEA LEVEL

COORDINATE CONVERSION FROM NAD 83 TO NAD 27
Grid: Add 46 m. E.; Subtract 301 m. N.
Geographic: Subtract 1.7 Long.; Subtract 0.7 Lat.

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).
2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point (4.0).
Example: 123456

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES. Example: FN123456

WHEN REPORTING ACROSS THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION. Example: 13R FN123456

SAMPLE 1000 METER GRID SQUARE
12 13
14
100,000 M. SQUARE IDENTIFICATION
FN
GRID ZONE DESIGNATION
13R

BOUNDARIES
TEXAS
Brewster County

ADJOINING SHEETS

5243 II	5343 III	5443 II
5242 I	5342 IV UNITED STATES	5442 I
4272 II FRI MEXICO	5342 II	5442 II

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All horizontal distance between contours AC - HORIZONTAL DISTANCE BETWEEN CONTOURS
TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH
SUBTRACT G-M ANGLE

