



Sonora TEXAS

1:100 000-scale metric topographic map

30 X 60 MINUTE QUADRANGLE SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names

GEOLOGICAL SURVEY

1994

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1963-1982. Planimetry revised from aerial photographs taken 1987 and other source data. Revised information not field checked. Map edited 1994.
 North American Datum of 1927 (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 14
 25 000-foot ticks: Texas coordinate system, central zone
 The values of the shift between NAD 27 and North American Datum of 1983 (NAD 83) for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software

CONTOUR INTERVAL 10 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet	CH	MILS	1	2
2	6.5617	1° 00'	16.28	4	5
4	13.1234	1° 01'	16.44	6	7
6	19.6851	1° 02'	16.60	8	8
8	26.2468	1° 03'	16.76		
10	32.8084	1° 04'	16.92		

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

UTM grid convergence (CH) and 1984 magnetic declination (MIL) at center of map. Diagram is approximate.

1 Big Lake
 2 San Angelo
 3 Brady
 4 Crane
 5 Mason
 6 Devils Draw
 7 Rocksprings
 8 Kerrell

FOR SALE BY U.S. GEOLOGICAL SURVEY
 DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

USGS 1994 HISTORICAL MAP ARCHIVES

AUG 26 1994

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Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light city road, principal street, hard or improved surface
- Other road or street; trail
- Route marker: Interstate; U. S. State
- Railroad: standard gage; narrow gage
- Bridge: overpass; underpass
- Tunnel: road; railroad
- Built up area: locality; elevation
- Airport; landing field; landing strip
- National boundary
- State boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U. S. public lands survey: range, township, section
- Range, township, section line: projected
- Power transmission line, pipeline
- Dam; dam with lock
- Cemetery, building
- Windmill; water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Ruin; cliff dwelling
- Distorted surface: strip mine, lava; sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake, perennial, intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Sarib; mangrove
- Orchard; vineyard