

USGS
science for a changing world

Marfa
TEXAS-CHIHUAHUA

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



1985

THE U.S. GEOLOGICAL SURVEY

Produced by the United States Geological Survey
U.S. portion compiled from USGS 1:24 000-scale topographic maps dated 1976-1983. Planimetry revised from aerial photographs taken 1982 and other source data. Revised information not field checked.
Mexico portion derived from DGG 1:50 000-scale topographic maps dated 1978. Planes H13B71 and San Antonio El Bravo H13B81
Map edited 1985

1927 North American Datum (NAD 27). Projection and 10 000-meter-grid: Universal Transverse Mercator, zone 13 25 000-foot ticks: Texas coordinate system, south central and central zones.

The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1575. Mexico portion is NAD 27

CONTOUR INTERVAL 20 METERS IN THE UNITED STATES NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS GIVEN TO NEAREST METER
CONTOUR INTERVAL 20 METERS IN MEXICO DATUM IS MEAN SEA LEVEL

THE U.S. PORTION OF THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO
ROZAS AND BY SERVICIO A USARIOS, INCA, DIRECCION DE INTEGRACION Y ANALISIS, SUBDIRECCION DE COMERCIALIZACION, HEORRE DE NACABARI 2301 PUEBLO II, COL. DEL PARQUE C.P. 20290, AGUASCALIENTES, AGS, MEXICO

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	0° 15'	0° 45'	1	2	3
1	3.2808		4 MILES 1/4 MILE	4	5	6
2	6.5617			1	2	3
3	9.8425			2	3	4
4	13.1234			3	4	5
5	16.4042			4	5	6
6	19.6850			5	6	7
7	22.9659			6	7	8
8	26.2467			7	8	
9	29.5275			8		
10	32.8084					

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

UTM grid convergence (GM) and 1983 magnetic declination (MD) at center of map
Diagram is approximate

1 Indian Hot Springs
2 Mount Livermore
3 Fort Davis
4 Alpine
5 Presidio
6 San Antonio
7 Big Bend
8 Santa Elena

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HISTORICAL MAP ARCHIVES

Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, private street, hard or improved surface
- Other road or street, not hard or improved surface
- Route marker: Interstate, U.S., State
- Railroad: standard gage; narrow gage
- Bridge, overpass, underpass
- Tunnel: road; railroad
- Build-up area: building 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: protected
- Power transmission line; pipeline
- Dam: dam with lock
- Cemetery: building
- Windmill; water well; spring
- Mine shaft: salt or cave; mine, quarry, gravel pit
- Campground; picnic area; U.S. location monument
- Ruin: old dwelling
- Disturbed surface: strip mine, lava, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Drawn, lake: perennial; intermittent
- Runoff, lake and pond: salt, brack and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Orchard; vineyard

