



**McAllen**  
TEXAS-TAMAULIPAS-NUEVO LEON

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

1992

Produced by the United States Geological Survey  
U.S. portion compiled from USGS 1:250 000-scale topographic maps dated 1962-1983. Planimetry revised from aerial photographs taken 1987-88 and other source data. Revised information not field checked.  
Mexico portion derived from DGG 1:500 000-scale topographic maps dated 1974-1980. Camargo G14B71, Comales G14B81, Ciudad Mier Odra G14B82, and Reynosa G14B83. Map edited 1992.

1927 North American Datum (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 14 25 000-foot ticks. Texas coordinate system, south zone.

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 1875. Mexico position is NAD 27.

There may be private holdings within the boundaries of the National or State reservations in the U.S. portion shown on this map.

CONTOUR INTERVAL 10 METERS IN THE UNITED STATES  
SUPPLEMENTARY CONTOUR INTERVAL 5 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO THE NEAREST METER  
CONTOUR INTERVAL 10 METERS IN MEXICO  
DATUM IS MEAN SEA LEVEL

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

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	Miles	Meters	1	2	3
1	3.2808	0.62137	0° 00'	4	5	
2	6.5616	1.24274	0° 01'	6	7	8
3	9.8424	1.86411	0° 02'			
4	13.1232	2.48548	0° 03'			
5	16.4040	3.10685	0° 04'			
6	19.6848	3.72822	0° 05'			
7	22.9656	4.34959	0° 06'			
8	26.2464	4.97096	0° 07'			
9	29.5272	5.59233	0° 08'			
10	32.8080	6.21370	0° 09'			

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

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

Zone	Scale	Projection
1	Zone 14	UTM
2	Zone 15	UTM
3	Zone 16	UTM
4	Zone 17	UTM
5	Zone 18	UTM
6	Zone 19	UTM
7	Zone 20	UTM
8	Zone 21	UTM

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USGS 1992 HISTORICAL MAP ARCHIVES  
APR 06 1993  
REC'D Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty 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	
Bank 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: protracted	
Power transmission line: pipeline	
Dam: dam with lock	
Canal; water wall; spring	
Mine shaft; well 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	
Sandy, mangrove	
Outcrop; vineyard	

