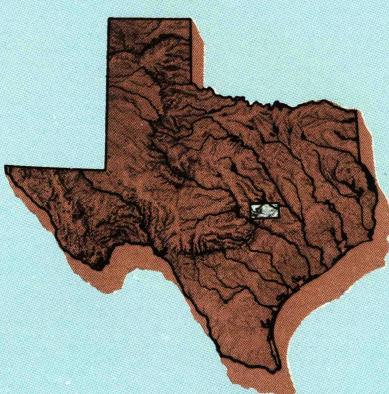


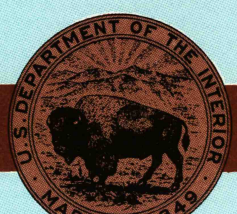


**1:100 000-scale *metric*  
planimetric map**



**30 X 60 MINUTE QUADRANGLE  
SHOWING**

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



GEOLOGICAL SURVEY

1985

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps  
dated 1962–1982. Planimetry revised from aerial  
photographs taken 1981 and other source data  
Revised information not field checked  
Map edited 1985

Projection and 10 000-meter grid, zone 14  
Universal Transverse Mercator  
25 000-foot grid ticks based on Texas coordinate  
system, central zone. 1927 North American Datum  
To place on the predicted North American Datum 1983 move  
the projection lines 17 meters south and 27 meters east

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			1	2	3
1	3.2808					
2	6.5617					
3	9.8425					
4	13.1232					
5	16.4040					
6	19.6850					
7	22.9658					
8	26.2467					
9	29.5276					
10	32.8084					

To convert meters to feet multiply by 3.2808	<p>UTM grid convergence (IGN) and 1985 magnetic declination (MN) at center of map</p> <p>Diagram is approximate</p>	1	San Salva
To convert feet to meters multiply by 0.3048		2	Tempe
		3	Marina
		4	Llano
		5	Bryson
		6	Federalinas River
		7	Austin
		8	Brenham

USGS NMD HISTORICAL SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 802  
OR RESTON VIRGINIA 22092

MAY 02 1986

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## Topographic Map Symbols

- |   |  |
|---|--|
| Primary highway, hard surface                               |  |
| Secondary highway, hard surface                             |  |
| Light duty road, principal street, hard or improved surface |  |
| Other road or street, turf                                  |  |
| Route markers: Interstate, U. S., State                     |  |
| Railroad: standard gauge; narrow gauge                      |  |
| Bridge; overpass; underpass                                 |  |
| Tunnel; road; rail  |  |
| Build 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; protected                    |  |
| Power transmission line; pipeline                           |  |
| Dam; dams with lock   |  |
| Cemetery; building  |  |
| Windmill; water well; spring                                |  |
| Mine shaft; salt or cave; mine, quarry, gravel pit          |  |
| Campground; picnic area; U. S. location monument            |  |
| Rail; cut dwelling  |  |
| Distorted surface: strip mine, lake, sand                   |  |
| Bathymetric contour; intermediate; supplementary            |  |
| Cathymetric contour: index; intermediate                    |  |
| Stream; lake; reservoir; intermittent                       |  |
| Rapids, large and small; falls, large and small             |  |
| Area to be submerged; marsh, swamp                          |  |
| Land subject to controlled inundation; woodland             |  |
| Rock; rugged  |  |
| Rocky; rugged   |  |

A pamphlet describing topographic maps is available on request.