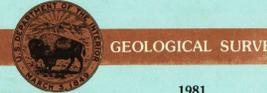




30 X 60 MINUTE QUADRANGLE SHOWING

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



Produced by the United States Geological Survey in cooperation with the Soil Conservation Service. Compiled from USGS 1:250,000-scale topographic maps dated 1964-1973 and from advance materials. Partially revised from aerial photographs taken 1974-1977 and other source data. Revised information not field checked. Map edited 1981.

Projection and 10 000-meter grid, zone 15 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 14 meters south and 22 meters east. There may be private inholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 10 METERS NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS				
Meters	Feet	MAGNETIC		1	2	3	4	5
1	3.2808	23 MILS						
2	6.5617	11° 16'						
3	9.8425	11° 16'						
4	13.1234	23 MILS						
5	16.4042							
6	19.6850							
7	22.9659							
8	26.2467							
9	29.5275							
10	32.8083							

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

UTM grid convergence (GN) and 1981 magnetic declination (MN) at center of map. Diagram is approximate.

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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, 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: protracted
- Power transmission line: pipeline
- Canal: dam with lock
- Cemetery, building
- Windmill; water well; spring
- Mine shaft; ant or cave; mine, quarry; gravel pit
- Campground; picnic area, U. S. location monument
- Ruins; cliff dwelling
- Disturbed surface: strip mine, levee, 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
- Scrub; mangrove
- Orchard; vineyard

