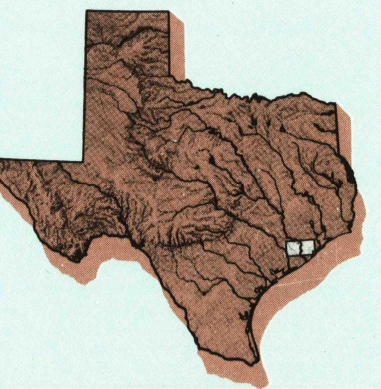


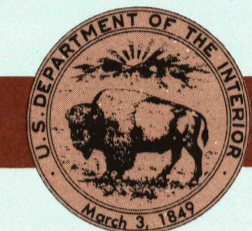
Houston TEXAS

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

1992

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1970-1982. Preliminary revised from aerial photographs taken 1989-1990 and other source data. Revised information not field checked. Map edited 1992.
 1927 North American Datum (NAD 27). Projection and 10 000-meter-grid: Universal Transverse Mercator, zone 15. 25 000-foot grid ticks: Texas coordinate system south central 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 1975.
 There may be private landholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 5 METERS
 SUPPLEMENTARY CONTOUR INTERVAL 2.5 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

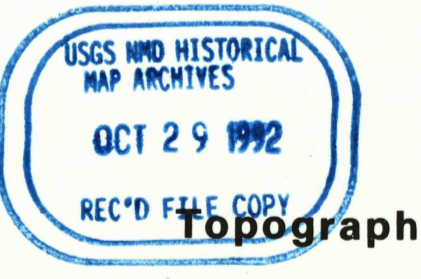
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet	11°M	15°M	1	2
2	6.5617	11	11	3	3
4	13.1234	22	22	4	4
6	19.6851	33	33	5	5
8	26.2468	44	44	6	6
10	32.8084	55	55	7	7
12	39.3701	66	66	8	8
14	45.9318	77	77		
16	52.4935	88	88		
18	59.0552	99	99		
20	65.6169				

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

UTM grid convergence (CM) and 1983 magnetic declination (AM) at center of map. Diagram is approximate.

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



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, healthy, 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; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Ruins; 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
- Scrub; mangrove
- Orchard; vineyard

