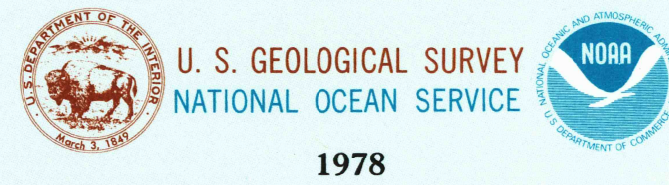


30 X 60 MINUTE QUADRANGLE SHOWING

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



1978

Produced by the United States Geological Survey and National Ocean Service
 Compiled from USGS 1:250 000-scale topographic maps dated 1963-1969
 Planimetry revised from aerial photographs taken 1976 and other source data. Revised information not field checked. Map edited 1978
 Bathymetry added 1984
 Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes
 Mean low water (dotted) line and mean high water (heavy solid) line compiled by NCS from tide-coordinated aerial photographs. Apparent shoreline (outer edge of vegetation) shown by light solid line
 Projection and 10 000-meter grid, zone 18 Universal Transverse Mercator 25 000-foot grid ticks based on Florida coordinate system, north zone 1927 North American Datum, zone 18 Universal Transverse Mercator
 To place on the predicted North American Datum 1983 move the projection lines 21 meters south and 9 meters west
 Oblique projection survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate basins of Outer Continental Shelf Official Protection Diagrams, dated June 2, 1982. The protection on this map are not for Federal leasing purposes; for such purposes, refer to the 1:250 000-scale OCS Official Protection Diagrams available from the Minerals Management Service
 There may be private inholdings within the boundaries of the National or State reservations shown on this map
 CONTOUR INTERVAL: 5 METERS
 NATIONAL GEODESIC VERTICAL DATUM OF 1955
 ELEVATIONS SHOWN TO THE NEAREST METER
 BATHYMETRIC CONTOUR INTERVAL: 2 METERS WITH SUPPLEMENTARY 1 METER CONTOURS—DATING IS MEAN LOWER LOW WATER
 THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

BASE MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS. TOPOGRAPHIC SURVEY DATA COMPLIES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEYS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	MN	GN	1	2	3
1	3.2808			1	2	3
2	6.5617			4	5	
3	9.8425			6	7	
4	13.1234			8	9	
5	16.4042			1	2	
6	19.6850			3	4	
7	22.9659			5	6	
8	26.2467			7	8	
9	29.5275			9	10	
10	32.8084			11	12	

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048
 UTM grid convergence (at center of map)
 declination (MN)
 Diagram is approximate



Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, wall
- Other road or street, wall
- 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: 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
- Base: cliff dwelling
- Distorted surface: strip mine, lava, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake, pond; intermittent
- Bayou, large and small; lagoon, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

