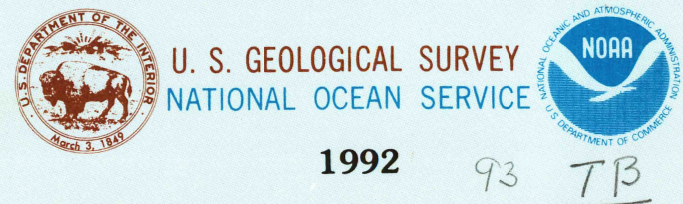




30 X 60 MINUTE QUADRANGLE  
SHOWING

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




Produced by the United States Geological Survey and the National Ocean Service  
Compiled from USGS 1:24 000 and 1:25 000-scale topographic maps dated 1953-1983. Planimetry revised from aerial photographs taken 1988 and other source data. Revised information not field checked. Map edited 1992.

Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes. Mean lower 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. 1927 North American Datum (NAD 27). Projection and 10 000-meter grid - Universal Transverse Mercator, zone 10 25 000-foot ticks. Washington coordinate system, north and south zones. 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. There may be private subdivisions within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 20 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO NEAREST METER  
BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO 200 METER DEPTH  
SUPPLEMENTED BY 2 METERS DEPTH. THEREAFTER 5 METERS TO MAXIMUM DEPTH. SUPPLEMENTED BY 10 METER INTERVALS. DATUM IS MEAN LOWER LOW WATER. THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE.

BASE MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS  
BATHYMETRIC SURVEY COMPLES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44  
ACCURACY STANDARDS AND OR STANDARDS USED AT THE DATE OF THE SURVEY

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet			1	2	3
1	3.2808					
2	6.5617					
3	9.8425					
4	13.1234					
5	16.4042					
6	19.6850					
7	22.9659					
8	26.2467					
9	29.5275					
10	32.8084					
To convert meters to feet multiply by 3.2808						
To convert feet to meters multiply by 0.3048						
		UTM grid convergence (GM) and 1982 magnetic declination (MD) at center of map. Diagram is approximate.				
				1	2	3
				4	5	6
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