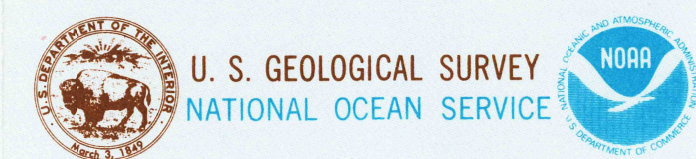


Forks WASHINGTON

1:100 000-scale metric topographic-bathymetric map

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



1988

Produced by the Geological Survey and the National Ocean Service
 Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1956-1982
 Planimetry revised from aerial photographs taken 1980 and other source data. Revised information on field checked. Map revised 1988
 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 (dotted line) compiled by NOS from tide-coordinated aerial photographs. Apparent elevation (some edge of vegetation) shown by light solid line
 Projection and 10 000 meter grid, zone 10, Universal Transverse Mercator 22 000-foot grid based on Washington coordinate system, north and south zones, 1927 North American Datum
 To place on the projected North American Datum 1983 move the projection lines 20 meters south and 99 meters east
 Offshore protection survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protection Diagram dated November 2, 1976. The instructions on this map are not for Federal leasing purposes for such purposes, refer to OCS Official Protection Diagram available from the Minerals Management Service. Limited revision and bathymetry added 1988
 There may be private subdivisions within the boundaries of National or State reservations shown on this map

CONTOUR INTERVAL 50 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1988 ELEVATIONS SHOWN TO THE NEAREST METER
 BATHYMETRIC CONTOUR INTERVAL 50 METERS TO 300 METERS DEPTH, WITH SUPPLEMENTARY 1 METER CONTOURS, THENCE 50 METERS TO 1000 METERS DEPTH, WITH SUPPLEMENTARY 10 METER CONTOURS BELOW 1000 METERS DEPTH
 THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
 BATHYMETRIC SURVEY DATA COVERED WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL OPERATIONAL AGREEMENT (SOA) SURVEYS FOR SHIPBORNE USE AS OF THE DATE OF THE SURVEY

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	GN	MN	1	2	3
1	3.2808			4	5	
2	6.5617			6	7	8
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 (GN) and 1988 magnetic declination 1 min Diagram is approximate

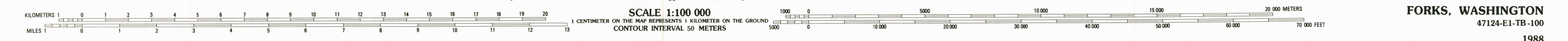
ADJOINING MAPS:
 1 Cape Flattery
 2 Fort Stevens
 3 Mount Olympus
 4 Copalis Beach
 5 Shelton

FOR SALE BY U.S. GEOLOGICAL SURVEY
 DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852

Topographic Map Symbols

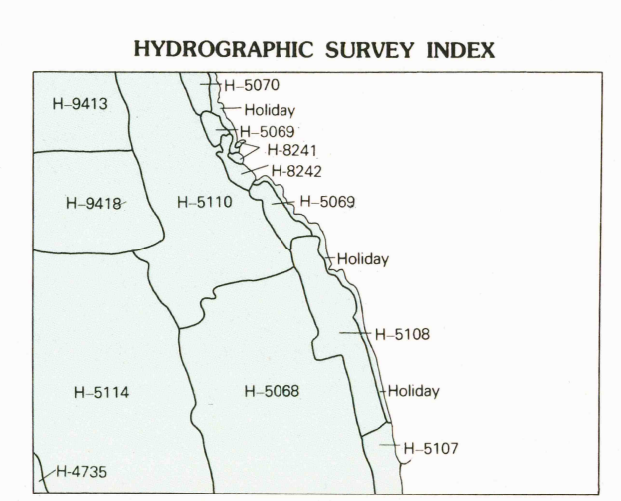
Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal street, hard or improved surface	
Other road or street, trail	
Route marker, Interstate, U. S. State	
Railroad, standard gauge, narrow gauge	
Bridge, overpass, underpass	
Tunnel, road, railroad	
Sub or area, locality, 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	
Dike, 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	
Rune, cliff dwelling	
Distorted surface, strip mine, lava, sand	
Contours, index, intermediate, supplementary	
Bathymetric contours, index, intermediate	
Stream, lake, perennial, intermittent	
Reefs, large and small, falls, large and small	
Area to be submerged, marsh, swamp	
Land subject to controlled inundation, woodland	
Scrub, mangrove	
Orchard, vineyard	

A sample depicting topographic maps is available on request



HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-4735	1907	1:60,000	20-18
H-5068	1930	1:60,000	20-18
H-5069	1930	1:20,000	24-15
H-5070	1930	1:20,000	24-14
H-5105	1930	1:20,000	20-14
H-5106	1930	1:40,000	20-14
H-5114	1930	1:120,000	21-09
H-5121	1956	1:5,000	20-06
H-5122	1956	1:5,000	20-06
H-5173	1974	1:60,000	20-07
H-5174	1974	1:60,000	20-07
H-5175	1974	1:60,000	20-07



Photographic copies of the above and prior surveys may be obtained at the cost of production by addressing the Director, NCCGS, National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852