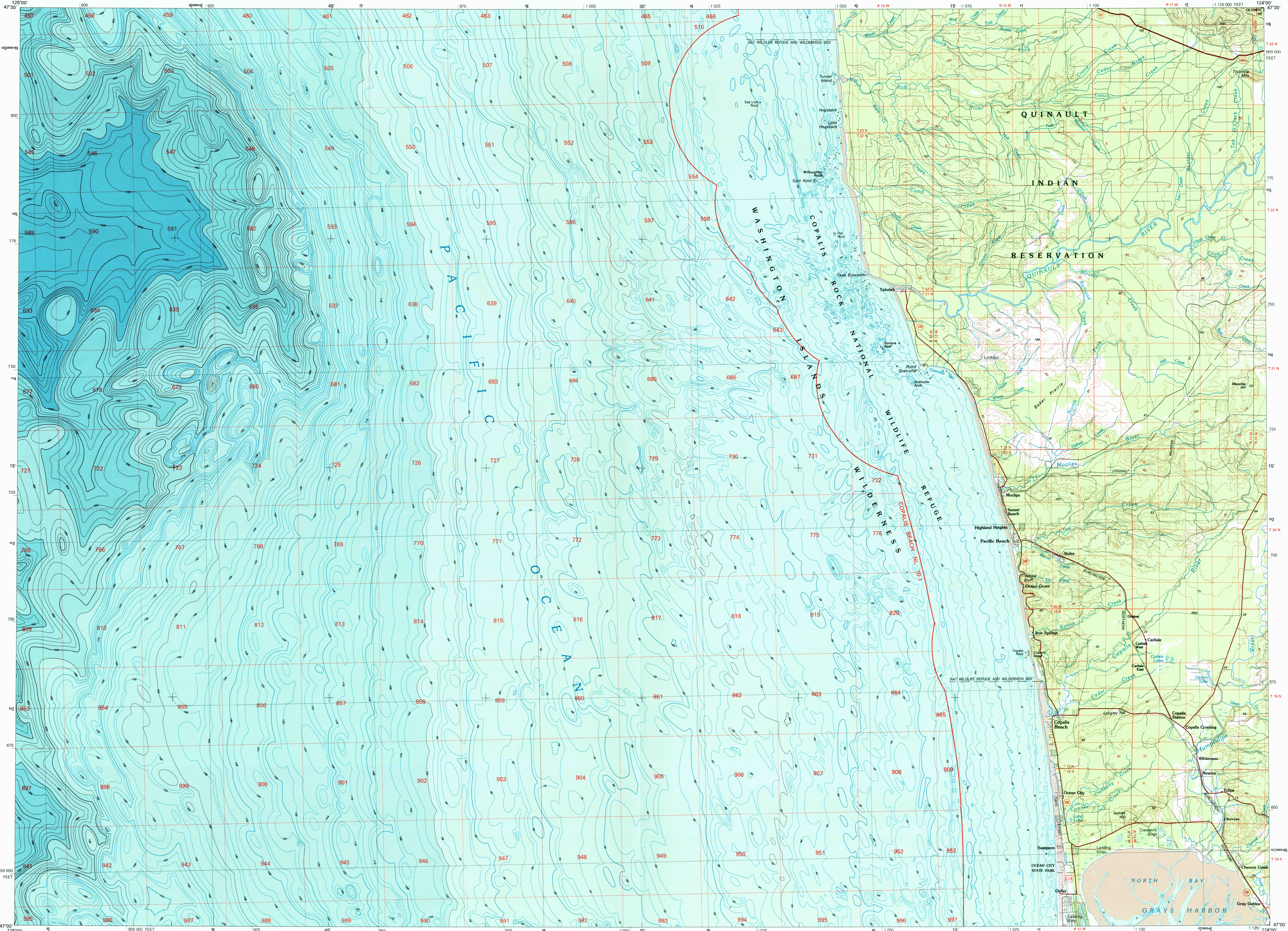
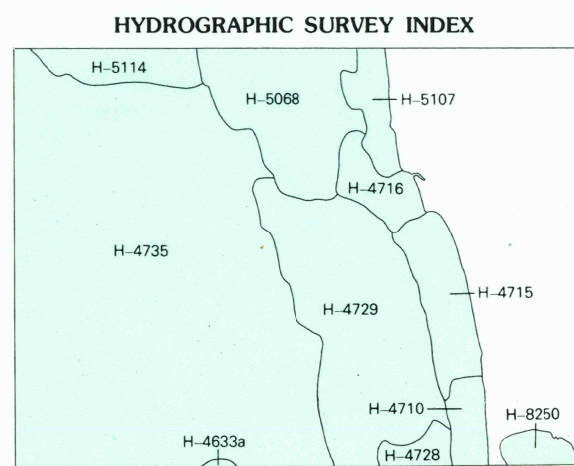




SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 40 METERS
SUPPLEMENTARY CONTOUR INTERVAL 10 METERS

HYDROGRAPHIC SURVEY INFORMATION			
SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING NAUT. MILES
H-4833a	1926	1:120,000	15-2.5
H-4710	1927	1:250,000	03-18
H-4716	1927	1:30,000	04-20
H-4718	1927	1:250,000	01-18
H-4719	1927	1:250,000	06-30
H-4720	1927	1:250,000	10-45
H-4721	1927	1:250,000	20-8
H-4722	1927	1:250,000	06-18
H-4723	1927	1:250,000	04-15
H-4724	1926	1:120,000	02-07

USGS NMC HISTORICAL MAP
SEP 27 1988
REC'D FILE COPY



Copalis Beach WASHINGTON

1:100 000-scale metric
topographic-bathymetric map



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 Geological Survey and the National Ocean Service
Compiled from USGS 1:24 000 and 1:42 000-scale topographic maps dated 1955 and 1973
Planimetry revised from aerial photographs taken 1972 and other source data. Revised information not field checked. Map edited 1980
Bathymetry compiled by the National Ocean Service from tide-coordinated bathymetric surveys. This information is not intended for navigation purposes. Mean lower low water (dotted line) and mean high water (dashed line) compiled by the NOS from tide-coordinated aerial photographs. Apparent shoreline (outer edge of vegetation) shown by light solid line
Projection and 10 000-meter grid, uses US National Transverse Mercator 25 000-foot grid ticks based on Washington coordinate system, south zone 1987 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 20 meters north and 58 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, 1975. The protection on this map are not for Federal leasing purposes; for such purposes, refer to OCS Official Protection Diagram available from the Minerals Management Service. There may be private subholdings within the boundaries of National or State reservations shown on this map
CONTOUR INTERVAL: 40 METERS
SUPPLEMENTARY CONTOUR INTERVAL: 10 METERS
NATURAL GEOMETRIC MEAN SEA LEVEL
ELEVATIONS SHOWN TO THE NEAREST METER
BATHYMETRIC CONTOUR INTERVAL: 10 METERS TO 400 METERS
DEPTHS WITH SUPPLEMENTARY 1-METER COUNTERS TO 400 METERS
DEPTHS WITH SUPPLEMENTARY 1-METER COUNTERS TO 400 METERS
RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
INDEX MAP CORRELATES WITH NATIONAL MAP ACCURACY STANDARDS: BATHYMETRIC SURVEY DATA CORRELATES WITH INTERNATIONAL HYDROGRAPHIC BUREAU (IHO) STANDARDS: PUBLICATION 44 ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEY

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet			1	2	3
1	3.2808			4	5	6
2	6.5617			7	8	
3	9.8425					
4	13.1234					
5	16.4042					
6	19.6850					
7	22.9658					
8	26.2467					
9	29.5275					
10	32.8084					
To convert meters to feet multiply by 3.2808		UTM grid convergence (DN) and 1987 magnetic declination (DN) center of map		1 Forks		
To convert feet to meters multiply by 0.3048		Diagram is approximate		2 Mount Olympus		
				3 Shelton		
				4 Westport		
				5 Chehalis River		

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 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: 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
- Ruin; 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

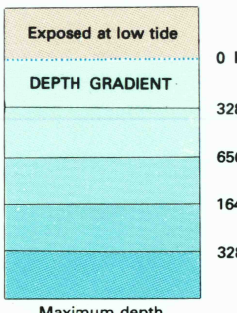
A pamphlet describing topographic maps is available on request

COPALIS BEACH, WASHINGTON

47124-A1-TB-100

1980

BATHYMETRY ADDED 1987



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