

WESTPORT, WASHINGTON

30X60 MINUTE SERIES (TOPOGRAPHIC-BATHYMETRIC)

Westport WASHINGTON

1:100 000-scale metric topographic-bathymetric map

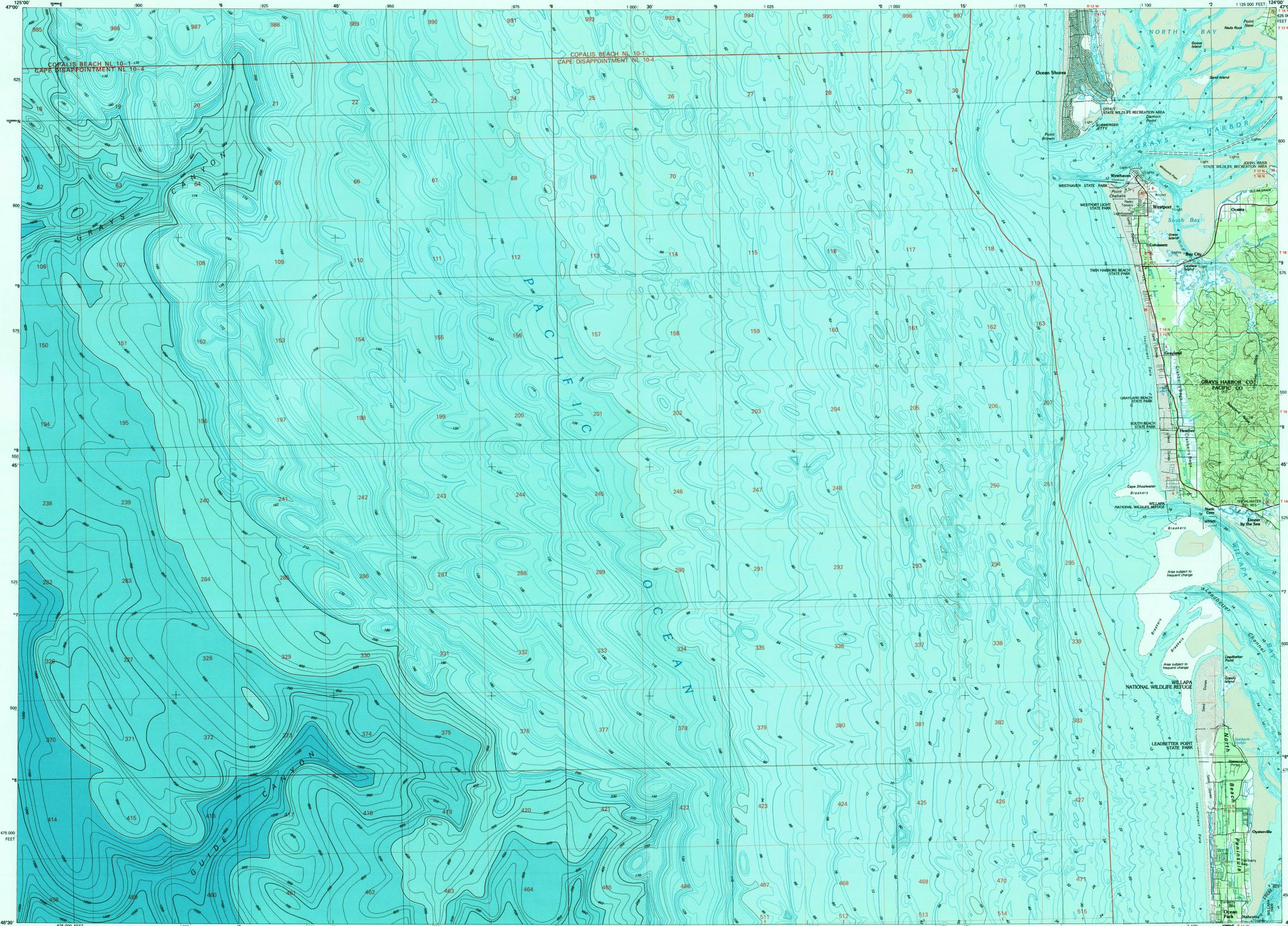


30 X 60 MINUTE QUADRANGLE SHOWING

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



1989



Produced by the United States Geological Survey and the National Ocean Service.  
 Compiled from USGS 1:24 000-scale topographic maps dated 1983-84. Bathymetry revised from aerial photographs taken 1980-81 and other hydrographic surveys. Bathymetric contours are intended for navigational purposes. Mean lower low water (dotted line) and mean high water (heavy solid line) compiled by NOS from tide-coordinated aerial photographs. Apparent shoreline (outer edge of vegetation) shown by light solid line. Projection and 10 000-meter grid, zone 10 Universal Transverse Mercator 25 000-foot grid ticks based on Washington coordinate system, south zone 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 25 meters north and 98 meters east. Official projection survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protection Diagrams dated November 2, 1976. The projections on this map are not for Federal leasing purposes; for such purposes, refer to OCS Official Protection Diagrams available from the Minerals Management Service. Limited revision and bathymetry added 1989. There may be private buildings within the boundaries of National or State reservations shown on this map.  
 CONTOUR INTERVAL: 20 METERS  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929  
 BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO 200 METERS DEPTH WITH SUPPLEMENTARY 10 METER CONTOURS; 20 METERS TO MAXIMUM DEPTH WITH SUPPLEMENTARY 10 METER CONTOURS. DATUM IS MEAN LOWER LOW WATER. THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE.  
 BATHYMETRIC SURVEY DATA COMPILED 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              | 4 | 5 | 6 | 7 | 8 |
| 1                | 3.2808  |                     |   |                |   |   |   |   |   |
| 2                | 6.5617  |                     |   |                |   |   |   |   |   |
| 3                | 9.8425  |                     |   |                |   |   |   |   |   |
| 4                | 13.1234 |                     |   |                |   |   |   |   |   |
| 5                | 16.4043 |                     |   |                |   |   |   |   |   |
| 6                | 19.6852 |                     |   |                |   |   |   |   |   |
| 7                | 22.9661 |                     |   |                |   |   |   |   |   |
| 8                | 26.2470 |                     |   |                |   |   |   |   |   |
| 9                | 29.5279 |                     |   |                |   |   |   |   |   |
| 10               | 32.8088 |                     |   |                |   |   |   |   |   |

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

UTM and geographic (GSA) and 1983 magnetic declination (MD) at center of map. Diagram is approximate.

1 Copalis Beach  
 2 Shelton  
 3 Chehalis River  
 4 Rainier  
 5 Astoria

FOR SALE BY U.S. GEOLOGICAL SURVEY  
 DENVER, COLORADO 80202, OR RESTON, VIRGINIA 20192  
 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, concrete, 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
- Wellhead, 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, levee, 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

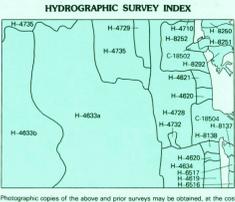
SCALE 1:100 000  
 1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND  
 CONTOUR INTERVAL 20 METERS

INTERNATIONAL GEOLOGICAL SURVEY, RESTON, VIRGINIA 20192

WESTPORT, WASHINGTON  
 46124-E1-TB-100  
 1989

HYDROGRAPHIC SURVEY INFORMATION

| SURVEY NUMBER | SURVEY DATE | SURVEY SCALE | SURVEY NAME, FILING UNIT, METERS |
|---------------|-------------|--------------|----------------------------------|
| H-4619        | 1928        | 1:20,000     | 02-23                            |
| H-4620        | 1928        | 1:20,000     | 04-22                            |
| H-4621        | 1928        | 1:20,000     | 04-22                            |
| H-4622        | 1928        | 1:20,000     | 12-2-3                           |
| H-4623        | 1927        | 1:40,000     | 05-46                            |
| H-4624        | 1927        | 1:40,000     | 03-18                            |
| H-4625        | 1927        | 1:40,000     | 10-44                            |
| H-4626        | 1927        | 1:40,000     | 06-26                            |
| H-4627        | 1927        | 1:40,000     | 01-44                            |
| H-4628        | 1927        | 1:40,000     | 20-18                            |
| H-4629        | 1927        | 1:40,000     | 01-44                            |
| H-4630        | 1928        | 1:20,000     | 01-44                            |
| H-4631        | 1928        | 1:20,000     | 02-12                            |
| H-4632        | 1928        | 1:20,000     | 02-12                            |
| H-4633        | 1928        | 1:20,000     | 02-12                            |
| H-4634        | 1928        | 1:20,000     | 02-12                            |
| H-4635        | 1928        | 1:20,000     | 02-12                            |
| H-4636        | 1928        | 1:20,000     | 02-12                            |
| H-4637        | 1928        | 1:20,000     | 02-12                            |
| H-4638        | 1928        | 1:20,000     | 02-12                            |
| H-4639        | 1928        | 1:20,000     | 02-12                            |
| H-4640        | 1928        | 1:20,000     | 02-12                            |
| H-4641        | 1928        | 1:20,000     | 02-12                            |
| H-4642        | 1928        | 1:20,000     | 02-12                            |
| H-4643        | 1928        | 1:20,000     | 02-12                            |
| H-4644        | 1928        | 1:20,000     | 02-12                            |
| H-4645        | 1928        | 1:20,000     | 02-12                            |
| H-4646        | 1928        | 1:20,000     | 02-12                            |
| H-4647        | 1928        | 1:20,000     | 02-12                            |
| H-4648        | 1928        | 1:20,000     | 02-12                            |
| H-4649        | 1928        | 1:20,000     | 02-12                            |
| H-4650        | 1928        | 1:20,000     | 02-12                            |
| H-4651        | 1928        | 1:20,000     | 02-12                            |
| H-4652        | 1928        | 1:20,000     | 02-12                            |
| H-4653        | 1928        | 1:20,000     | 02-12                            |
| H-4654        | 1928        | 1:20,000     | 02-12                            |
| H-4655        | 1928        | 1:20,000     | 02-12                            |
| H-4656        | 1928        | 1:20,000     | 02-12                            |
| H-4657        | 1928        | 1:20,000     | 02-12                            |
| H-4658        | 1928        | 1:20,000     | 02-12                            |
| H-4659        | 1928        | 1:20,000     | 02-12                            |
| H-4660        | 1928        | 1:20,000     | 02-12                            |



NOS CHART 1802 December 1983 40-000  
 NOS CHART 1804 August 1982 1:40,000  
 Photographic copies of the above and prior surveys may be obtained, at the cost of reproduction, by addressing the Director, NGS/2, National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852