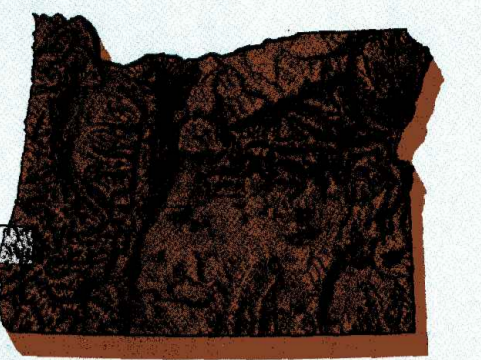


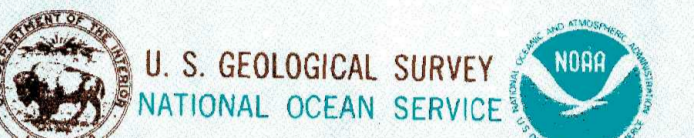
# Coos Bay OREGON

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



1993

Produced by the United States Geological Survey and the National Ocean Service. Compiled from USGS 1:250 000-scale topographic maps dated 1970-1971. Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes. Mean lower low water (mllw) line and mean high water (mhw) line compiled by NOS from tide-coordinated aerial photographs. Apparent shoreline (inner edge of vegetation) shown by light solid line. The difference between NAVD 27 and North American Datum of 1983 (NAD 83) is not shown on this scale. The values of the datum for the 7.5-minute intersections are given in USGS Bulletin 1872. Offshore projection 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 projections on this map are for Federal listing purposes for each purpose, refer to the 1:250 000-scale OCS Official Protection Diagram available from the Minerals Management Service. There may be private landholdings within the boundaries of the National or State reservations shown on this map.

**CONTOUR INTERVAL 50 METERS**  
NATIONAL GEODETIC VERTICAL DATUM OF 1929 ELEVATIONS SHOWN TO THE NEAREST METER. BATHYMETRIC CONTOUR INTERVAL, 10 METERS TO 200 METERS DEPTH WITH SUPPLEMENTARY 2 METER CONTOURS, THENCE 50 METERS TO MAXIMUM DEPTH WITH SUPPLEMENTARY 10 METER CONTOURS. DATUM IS MEAN LOWER LOW WATER. THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE. BASE MAP COMPARES WITH NATIONAL MAP ACCURACY STANDARDS. BATHYMETRIC SURVEY DATA COMPARES 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° 15' 15" W		1	2	3
1	3.2808			4	5	
2	6.5616			6	7	8
3	9.8424					
4	13.1232					
5	16.4040					
6	19.6848					
7	22.9656					
8	26.2464					
9	29.5272					
10	32.8080					

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

UTM grid convergence (NAD 83 and 1983 magnetic declination) is shown in the diagram as appropriate.

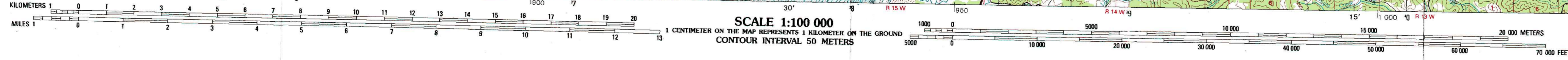
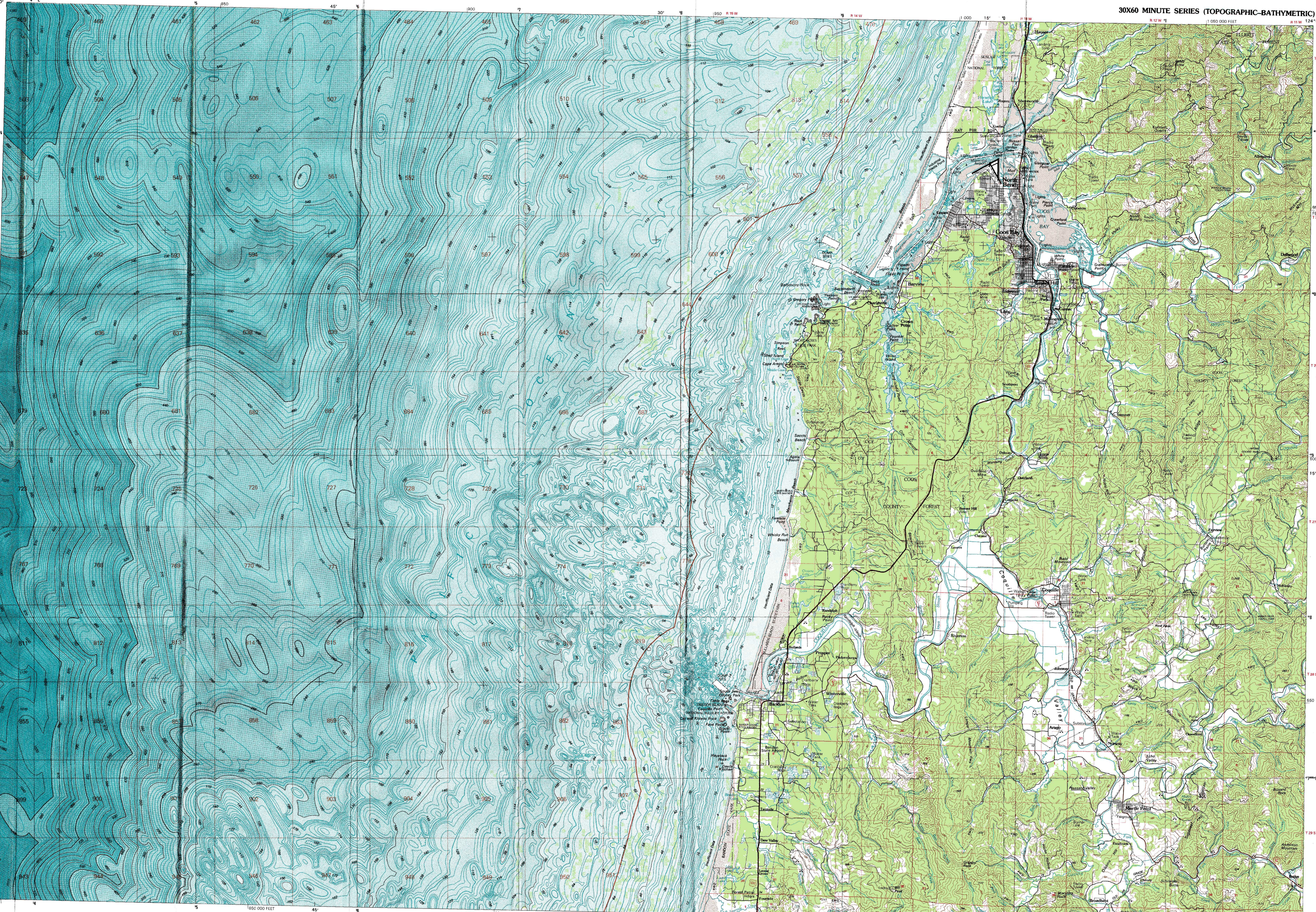
1 Roadport  
2 Cottage Grove  
3 Astoria  
4 Seaside  
5 Port Orford  
6 Cannonville

FOR SALE BY U.S. GEOLOGICAL SURVEY DENVER, COLORADO 80225 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, dirt
- Route marker: Interstate, U. S., State
- Railroad: standard gauge, narrow gauge
- Bridge: covered, culvert
- 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: protruded
- Power transmission line: pipeline
- Dam, dam with lock
- Canal, building
- Widened water way, spring
- Mine shaft: adit or cave, mine, quarry, gravel pit
- Campground, picnic area: U. S. location monument
- Picnic, cliff dwelling
- Classified surface strip mine, new, used
- 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, water
- Land subject to controlled inundation, woodlands
- Swamp, mangrove
- Driveway, viaduct

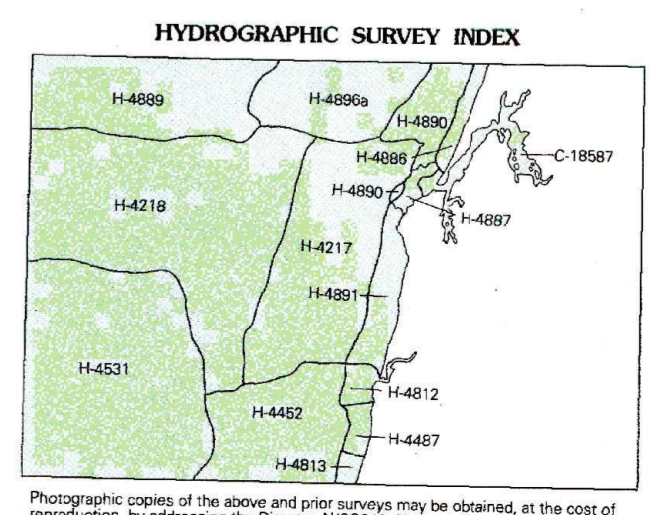
A sample describing topographic maps is available on request.



**HYDROGRAPHIC SURVEY INFORMATION**

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY UNIT SPACING (METERS)
H-4895	1927	1:40,000	60-60
H-4219	1927	1:120,000	50-100
H-4462	1934	1:40,000	30-40
H-4467	1925	1:20,000	30-30
H-4621	1924-25	1:100,000	30-100
H-4812	1928	1:10,000	60-30
H-4813	1928	1:20,000	60-30
H-4886	1928	1:50,000	60-75
H-4887	1928	1:10,000	60-10
H-4888	1928	1:100,000	50-40
H-4889	1928	1:40,000	15-30
H-4890	1928	1:40,000	15-30
H-4894a	1928	1:80,000	20-14

NOS CHART 18687 March 1984 1:20,000



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