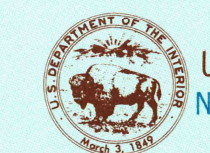


A brown, textured map of Oregon, showing its geographical features. The map is oriented with the top edge slightly tilted to the right. It depicts the state's coastline, major rivers, and mountain ranges. The texture is reminiscent of a woodcut or a relief map. The map is set against a light blue background.

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



U. S. GEOLOGICAL SURVEY
NATIONAL OCEAN SERVICE



1993

Compiled from USGS 1:24 000-scale topographic maps dated 1985-1989. Planimetry revised from aerial photographs taken 1985-1989 and other source data. Revised information not field checked. Map edited 1993.

Bathymetry compiled by the National Ocean Service from tide-coast hydrographic surveys. This information is not intended for navigational purposes. Mean lower low water (dotted) line and mean high water (solid) line compiled by NOS from tide-coordinated aerial photography. Apparent shoreline (outer edge of vegetation) shown by light solid line.

1927 North American Datum (NAD 27). Projection and scale: 10 000-metre grid; Universal Transverse Mercator, zone 10. 50 000-foot ticks: Oregon coordinate system, south zone.

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

Offshore protection survey data, shown in red, furnished by the Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protection Diagram dated 1976. The protection on this map are not for Federal leasing purposes; for such purpose to the 1:250 000-scale OCS Official Protection Diagram available from the Minerals Management Service

There may be private inholdings 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 INTERVALS: 10 METERS TO 200 METER
SUPPLEMENTED BY 2 METER INTERVALS, THENCE 50 METERS
DEPTH, SUPPLEMENTED BY 1 METER INTERVALS. DATUM IS A
MEAN LOW WATER DATUM, EXCEPT WHERE THE TWO DATUMS
DIFFER.
BASE MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS
BATHYMETRIC SURVEY DATA COMPLES WITH INTERNATIONAL
HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44
ACCURACY STANDARDS AND/OR STANDARDS USED AT THE DATE

OF THE SURVEY

CONVERSION TABLE

Meters	Feet
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	29.5276
10	32.8084

DECLINATION DIAGRAM

ADJUSTED

1	
4	
6	

To convert meters to feet multiply by 3.2808	UTM grid convergence (GN) and 1983 magnetic declination (MN) at center of map Diagram is approximate	4 5 Gra 6 7 Cre 8 Hay
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FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 208

Primary highway, hard surface

Secondary highway, hard surface

Light duty road, principal street, hard or improved surface

Other road or street, rural

Road marker: intermediate, U. S. State

Railroad: standard gauge, narrow gauge

Rail: overpass, underpass

Canal, road, railroad

Highway, canal, road, railroad

Airport: landing field, landing strip

National boundary

State boundary

County boundary

National or State reservation boundary

Local grant boundary

U. S. public lands survey: range, township, section

Range, township, section line: protracted

Power transmission line, pipeline

Dam, dam with lock

Cemetery, building

Winehill, water well, spring

Mine shaft: adit, old or cave, mine, quarry, gravel pit

Canal, railroad, principal area; U. S. location information

Ruins: diff dwelling

Distorted surface: strip mine, levee, sand

Contours: indurac, 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

Stock, animal

Orchard, vineyard

A pamphlet describing topographic maps is available on request.

Photographic copies of the above and prior survey may be obtained, at the cost of reproduction, by addressing the Director, MCG243, National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY (LINE SPACING IN/OUT MILES)
H-1945	1889	1:20,000	05-55
H-4489	1925	1:40,000	20-50
H-4503A	1925	1:120,000	50-40
H-4505	1925	1:40,000	02-40
H-4819	1928	1:20,000	10-50
H-4860	1928	1:40,000	10-30
H-4861	1928	1:10,000	05-10
H-4863	1928	1:40,000	10-20
H-4864	1928	1:20,000	15-25
H-4872	1928	1:20,000	15-20
H-4876	1928	1:10,000	50-30
H-4877	1928	1:10,000	03-12
H-4877A	1934	1:5,000	03-12



HYDROGRAPHIC SURVEY INDEX