

MAPPED, EDITED, AND PUBLISHED BY THE U.S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SURVEY

Original topographic map prepared by the Defense Mapping Agency Topographic Center from 1:48,000, 1:50,000, 1:62,500 scale maps dated 1909-1957, and from aerial photographs taken 1955. Field checked 1960. Bathymetry revised by the U.S. Geological Survey from aerial photographs taken 1975. Map edited 1977

Bathymetry and shoreline compiled by the National Ocean Survey (NOS). Bathymetry was compiled from NOS Hydrographic Surveys (see index), which comply with International Hydrographic Organization (IHO) Special Publication 44 accuracy standards and/or standards used as of the date of the surveys. Shoreline (mean high water line) was compiled from NOS tide-coordinated aerial photographs.

This information is not intended for navigational purposes.

Offshore projection survey data, printed in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protection Diagrams. The projections on this map are not for Federal listing purposes; for such purposes, refer to the OCS Official Protection Diagrams available from the Bureau of Land Management.

100,000-foot grids based on Oregon coordinate system, north and south zones.

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES

Over 500,000
100,000 to 500,000
25,000 to 100,000
5,000 to 25,000
1,000 to 5,000
Less than 1,000

ROADS

Primary, all-weather, hard surface
Secondary, all-weather, hard surface
Light-duty, all-weather, hard or improved surface
Fair or dry weather, unimproved surface
Trail
Interchange
Sun Valley
Route markers: Interstate, U.S., State

RAILROADS

Normal gauge
Narrow gauge
International

BOUNDARIES

State
County
Park or reservation

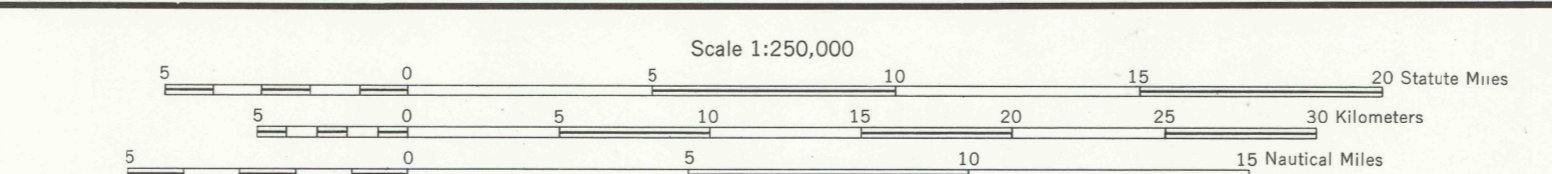
LANDSCAPE AIRPORT

Landmark: School, Church, Other
Spot elevation in feet
Marsh or swamp
Approximate shoreline
Sounding datum line

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY



CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
NATIONAL GEODETIC VERTICAL DATUM 1929

BATHYMETRIC CONTOUR INTERVAL 10 METERS
DATUM MEAN LOWER LOW WATER

SHORELINE SHOWN REPRESENTS MEAN HIGH WATER

TRANSVERSE MERCATOR PROJECTION

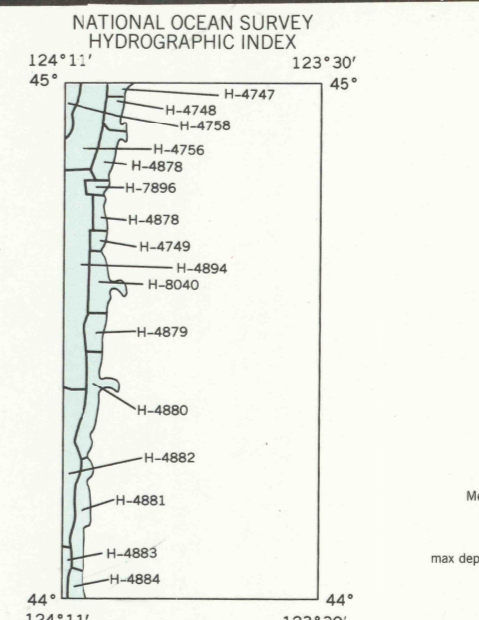
BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 10

MAGNETIC DECLINATION FOR 1977 IS 20° 13' 00" EAST OF THE ENTIRE AREA

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

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-4747	1927	1:200,000	10-30
H-4748	1927	1:200,000	20-25
H-4749	1927	1:200,000	20-25
H-4750	1927	1:200,000	20-25
H-4751	1928	1:200,000	20-25
H-4752	1928	1:200,000	20-25
H-4753	1928	1:200,000	20-25
H-4754	1928	1:200,000	20-25
H-4755	1928	1:200,000	20-25
H-4756	1928	1:200,000	20-25
H-4757	1928	1:200,000	20-25
H-4758	1928	1:200,000	20-25
H-4759	1928	1:200,000	20-25
H-4760	1928	1:200,000	20-25
H-4761	1928	1:200,000	20-25
H-4762	1928	1:200,000	20-25
H-4763	1928	1:200,000	20-25
H-4764	1928	1:200,000	20-25
H-4765	1928	1:200,000	20-25
H-4766	1928	1:200,000	20-25
H-4767	1928	1:200,000	20-25
H-4768	1928	1:200,000	20-25
H-4769	1928	1:200,000	20-25
H-4770	1928	1:200,000	20-25
H-4771	1928	1:200,000	20-25
H-4772	1928	1:200,000	20-25
H-4773	1928	1:200,000	20-25
H-4774	1928	1:200,000	20-25
H-4775	1928	1:200,000	20-25
H-4776	1928	1:200,000	20-25
H-4777	1928	1:200,000	20-25
H-4778	1928	1:200,000	20-25
H-4779	1928	1:200,000	20-25
H-4780	1928	1:200,000	20-25
H-4781	1928	1:200,000	20-25
H-4782	1928	1:200,000	20-25
H-4783	1928	1:200,000	20-25
H-4784	1928	1:200,000	20-25
H-4785	1928	1:200,000	20-25
H-4786	1928	1:200,000	20-25
H-4787	1928	1:200,000	20-25
H-4788	1928	1:200,000	20-25
H-4789	1928	1:200,000	20-25
H-4790	1928	1:200,000	20-25
H-4791	1928	1:200,000	20-25
H-4792	1928	1:200,000	20-25
H-4793	1928	1:200,000	20-25
H-4794	1928	1:200,000	20-25
H-4795	1928	1:200,000	20-25
H-4796	1928	1:200,000	20-25
H-4797	1928	1:200,000	20-25
H-4798	1928	1:200,000	20-25
H-4799	1928	1:200,000	20-25
H-4800	1928	1:200,000	20-25



GRID ZONE DESIGNATION

100,000 M. SQUARE IDENTIFICATION

DE	EE
DD	ED

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS

1. Read letters, identifying 100,000 meter squares in which the point lies.

2. Locate the vertical and horizontal lines of the grid.

3. Read the number of the grid square in which the point lies.

4. Locate the horizontal and vertical lines of the grid in the grid square in which the point lies.

5. Read the number of the grid square in which the point lies.

6. Read the number of the grid square in which the point lies.

7. Read the number of the grid square in which the point lies.

8. Read the number of the grid square in which the point lies.

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28. Read the number of the grid square in which the point lies.

29. Read the number of the grid square in which the point lies.

30. Read the number of the grid square in which the point lies.

31. Read the number of the grid square in which the point lies.

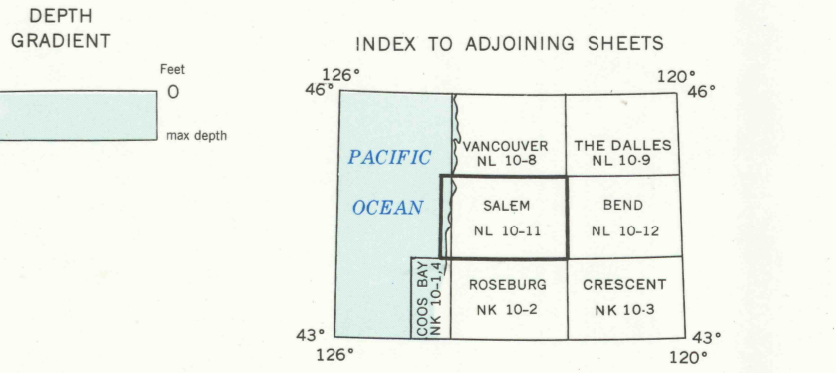
32. Read the number of the grid square in which the point lies.

33. Read the number of the grid square in which the point lies.

34. Read the number of the grid square in which the point lies.

35. Read the number of the grid square in which the point lies.

36. Read the number of the grid square in which the point lies.



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