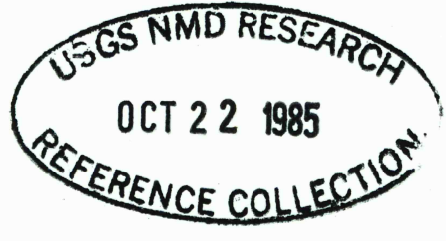
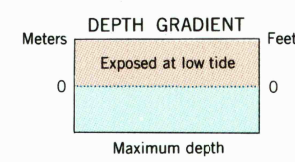


Feet Meters

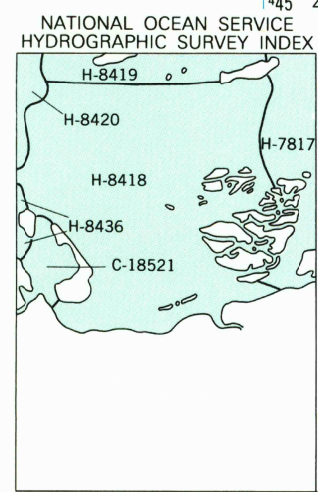
1	3048
2	6096
3	9144
4	12192
5	15240
6	18288
7	21336
8	24384
9	27432
10	30480

To convert feet to meters
multiply by 3.048

To convert meters to feet
multiply by 3.2808



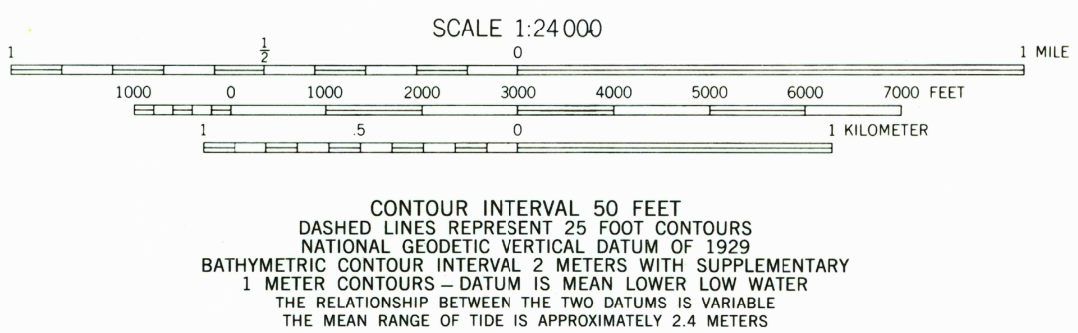
Mapped by the Defense Mapping Agency and the National Ocean Service
Published for civil use by the Geological Survey
Control by NOS/NOAA and USCE
Topography from aerial photographs by multiplex methods
Aerial photographs taken 1943. Field checked 1949
Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes
Mean 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
Polyconic projection. 1927 North American Datum
10,000-foot grid based on Oregon coordinate system north zone
1000-meter Universal Transverse Mercator grid ticks, zone 10, shown in blue
To place on the predicted North American Datum 1983 move the projection lines 24 meters north and 96 meters east as shown by dashed corner ticks
There may be private inholdings within the boundaries of National or State reservations shown on this map
Dashed land lines indicate approximate locations
Revisions shown in purple compiled by the Geological Survey from aerial photographs taken 1981 and other sources
This information not field checked. Map edited 1984



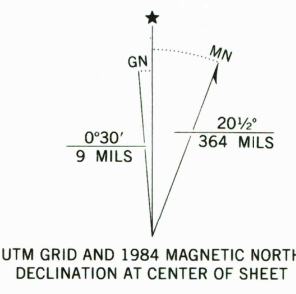
HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-8419	1950	1:20,000	02-15
H-8418	1958	1:10,000	02-12
H-8419	1958	1:10,000	01-11
H-8420	1958	1:10,000	01-12
H-8436	1958	1:5,000	01-05

NOS CHART 18521 MARCH 27, 1982 1:40,000



BASE MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
BATHYMETRIC SURVEY DATA COMPLIES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS AND/OR STANDARDS USED AT THE DATE OF THE SURVEY
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION

Primary highway, hard surface
Secondary highway, hard surface
Unimproved road
Interstate Route
U. S. Route
State Route

CATHLAMET BAY, OREG.
NW/4 SVENSEN 15' QUADRANGLE
46123-B6-TB-024

1949
PHOTOREVISED 1984
BATHYMETRY ADDED 1984
DMA 1276 II NW - SERIES V892