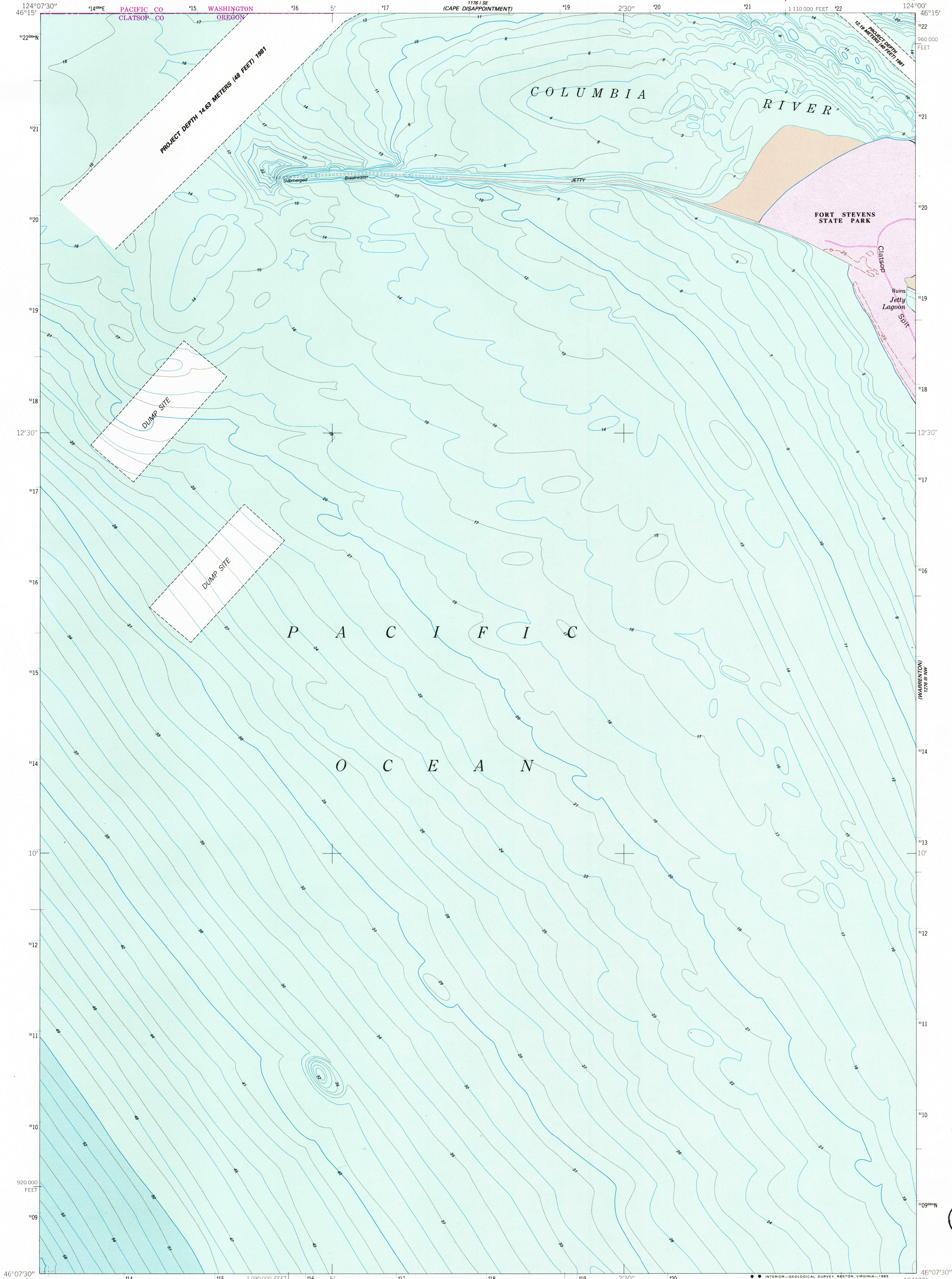


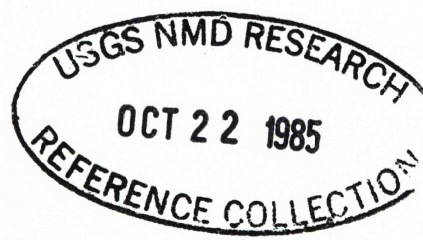
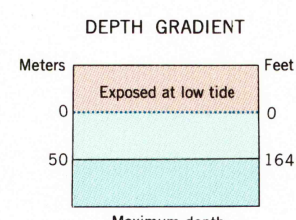


CONVERSION
SCALES



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 .3048
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

Topography by photogrammetric methods from aerial photographs
taken 1951. Field checked 1951

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, zone 10
To place on the predicted North American Datum 1983,
move the projection lines 24 meters north and
97 meters east as shown by dashed corner ticks

There may be private inholdings within the boundaries of
the National or State reservations shown on this map

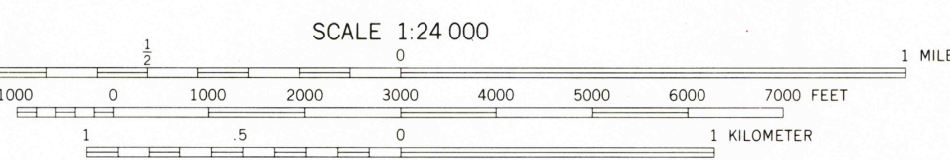
Revisions shown in purple compiled by the Geological Survey
from aerial photographs taken 1981 and other sources
This information not field checked. Map edited 1984

NATIONAL OCEAN SERVICE
HYDROGRAPHIC SURVEY INDEX



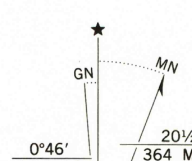
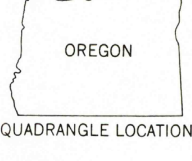
HYDROGRAPHIC SURVEY
INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-8417	1958	1:20,000	.03-.35
H-8421	1958	1:10,000	.01-.17
H-8423	1958	1:10,000	.02-.14



MAXIMUM ELEVATION LESS THAN 50 FEET
DASHED LINES REPRESENT 25 FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVAL 2 METERS WITH SUPPLEMENTARY
1 METER CONTOURS - DATUM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.4 METERS

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
Light-duty road, hard or improved surface
Unimproved road
Interstate Route
U. S. Route
State Route

CLATSOP SPIT, OREG.
46124-B1-TB-024

1951
PHOTOREVISED 1984
BATHYMETRY ADDED 1984
DMA 1176 II NE - SERIES V892