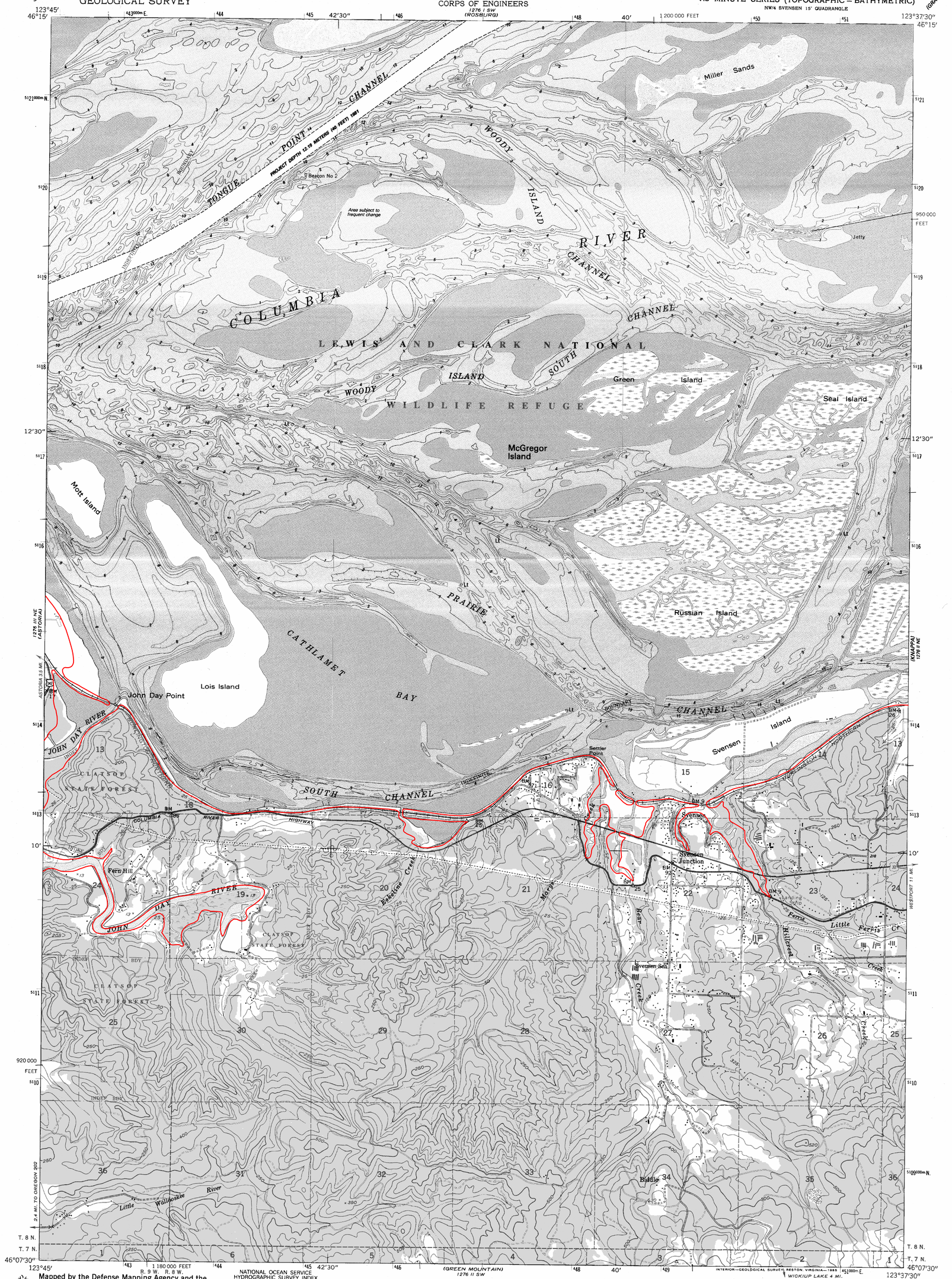
STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
DONALD A. HULL, STATE GEOLOGIST

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

CATHLAMET BAY QUADRANGLE
OREGON – CLATSOP CO.
7.5 MINUTE SERIES (TOPOGRAPHIC – BATHYMETRIC)
NW/4 SVENSEN 15' QUADRANGLE



CONVERSION SCALES

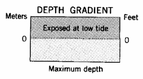
Feet	Meters
15000	4500
14000	
13000	4000
12000	
11000	3500
10000	3000
9000	
8000	2500
7000	2000
6000	
5000	1500
4000	1000
3000	900
	800
	700
2000	600
	500
	400
1000	300
	200
	100
0	0

Feet	Meters
1	.3048
2	.6096
3	.9144
4	1.2192
5	1.5240
6	1.8288
7	2.1336
8	2.4384
9	2.7432
10	3.0480

To convert feet to meters multiply by .3048

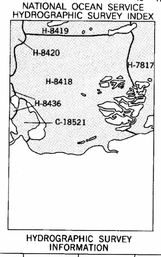
To convert meters to feet multiply by 3.2808

DEPTH GRADIENT



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

NATIONAL OCEAN SERVICE HYDROGRAPHIC SURVEY INDEX



HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-7817	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

SCALE 1:24 000

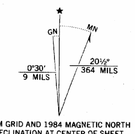
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 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

QUADRANGLE LOCATION



UTM GRID AND 1984 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

ROAD CLASSIFICATION

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

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1985

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

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

Open File Report O-95-11
Tsunami Hazard Map of the Cathlamet Bay Quadrangle, Clatsop County, Oregon

Tsunami inundation boundary
upper limit of area expected to be covered by flood water from a tsunami caused by a magnitude 8.8 undersea earthquake

See accompanying text for use of this map, mapping methodology, and acknowledgments.

Mapping by:

George R. Priest, Oregon Department of Geology and Mineral Industries, October-November, 1995.

ISBN 0-887207-00747-8