



Mapped by the Defense Mapping Agency and the National Ocean Service. Published for civil use by the Geological Survey Control by USGC.

Topography by multiplex methods from 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 photography. Apparent shoreline (outer edge of vegetation) shown by light solid line.

Polyconic projection. 1927 North American Datum 10,000-foot grid based on Washington coordinate system, south zone and 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 97 meters east as shown by dashed corner ticks.

Dashed land lines indicate approximate locations.

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.

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NUT. MILES)
H-8415	1939	1:10,000	01-12
H-8421	1958	1:10,000	01-17
H-8422	1958	1:10,000	01-17

SCALE 1:24,000

1 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 50 FEET

DASHED LINES REPRESENT HALF-INTERVAL 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

ROAD CLASSIFICATION

Heavy-duty 4 LANE 6 LANE Light-duty

Medium-duty 4 LANE 6 LANE Unimproved dirt

U. S. Route State Route

CHINOOK, WASH. - OREG.

46123-C8-TB-024

1949

PHOTOREVISED 1984

BATHYMETRY ADDED 1984

DMA 1276 IV SW - SERIES V891

RECEIVED

AUG 31 2001

U.S. GEOLOGICAL SURVEY
HISTORICAL MAP ARCHIVES

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

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY

P.O. BOX 25286, DENVER, COLORADO 80225

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

UTM GRID AND 1984 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

CONVERSION SCALES

Feet Meters

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

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

DEPTH GRADIENT

Meters Feet

Exposed at low tide

Maximum depth

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