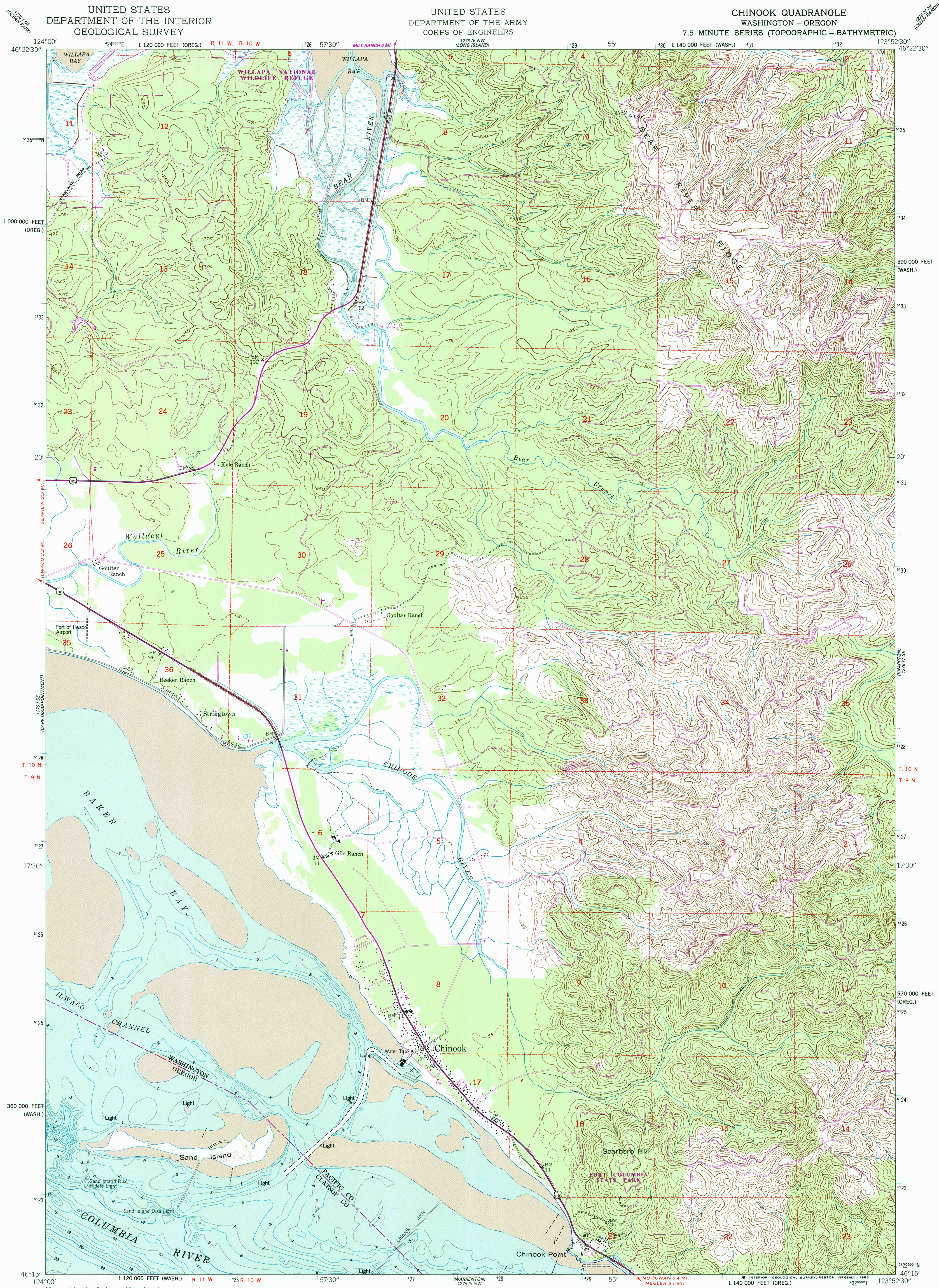




CONVERSION SCALES

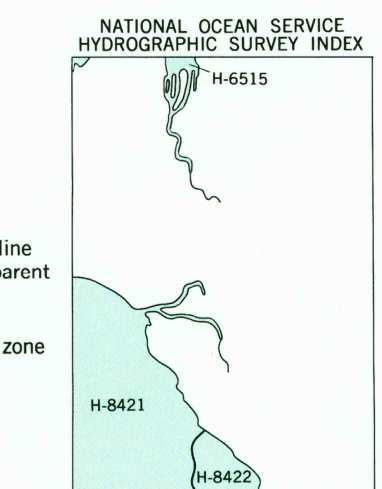
Feet	Meters
15000	4500
14000	4000
13000	3500
12000	3000
11000	2500
10000	2000
9000	1500
8000	1000
7000	900
6000	800
5000	700
4000	600
3000	500
2000	400
1000	300
0	0

To convert feet to meters multiply by .3048
To convert meters to feet multiply by 3.2808

DEPTH GRADIENT

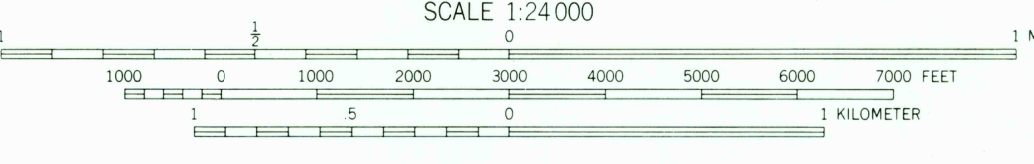
Meters	Feet
Exposed at low tide	0
Maximum depth	0

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



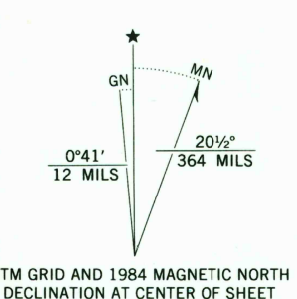
HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-8515	1939	1:10,000	.01-.12
H-8421	1958	1:10,000	.01-.17
H-8422	1958	1:10,000	.01-.17



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

BASE MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
BATHYMETRIC SURVEY DATA COMPLIES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION NO. 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

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

