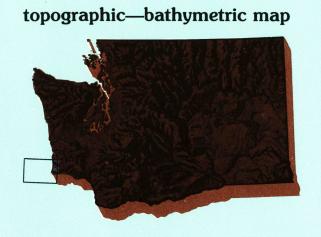


Ilwaco WASHINGTON-OREGON

30X60 MINUTE SERIES (TOPOGRAPHIC-BATHYMETRIC)

46124-A1-TB-10

1:100 000-scale *metric* 



- Contours and elevations in meters
- Highways, roads and other
- manmade structures
- Water features
- Woodland areas
- Geographic namesBathymetric contours in meters

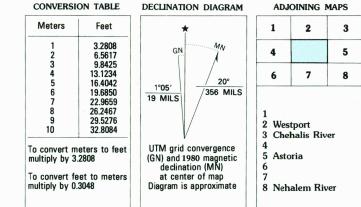


Produced by the United States Geological Survey and the National Ocean Service
Compiled from USGS 1:24 000-scale topographic maps dated 1951 and 1973
Planimetry revised from aerial photographs taken 1976 and other source data. Revised information not field checked. Map edited 1980

data. Revised information not field checked. Map edited 1980
Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes Mean lower 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 Projection and 10 000-meter grid, zone 10: Universal Transverse Mercator 25 000-foot grid ticks based on Washington coordinate system, south zone 1927 North American Datum 25 000-foot grid ticks based on Washington coordinate system, south zone
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines
25 meters north and 98 meters east
Offshore protraction survey data, shown in red, furnished by the Minerals
Management Service. Heavy lines indicate limits of Outer Continental Shelf
Official Protraction Diagram dated November 2, 1976. The protractions
on this map are not for Federal leasing purposes; for such purposes, refer to
OCS Official Protraction Diagram available from the Minerals Management Service

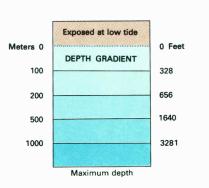
Limited revision and bathymetry added 1989 There may be private inholdings within the boundaries of National or State reservations shown on this map CONTOUR INTERVAL 20 METERS
SUPPLEMENTARY CONTOUR INTERVAL 10 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER
BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO 200 METERS
DEPTH, WITH SUPPLEMENTARY 2 METER CONTOURS, THENCE 50
METERS TO MAXIMUM DEPTH, WITH SUPPLEMENTARY 10 METER
CONTOURS—DATUM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

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 AS OF THE DATE OF THE SURVEYS



## Topographic Map Symbols

imary highway, hard surface		
condary highway, hard surface		
ght duty road, principal street, hard or improved surface		
her road or street; trail		
ute marker: Interstate; U. S.; State		$\mathcal{L}$
ilroad: standard gage; narrow gage		
idge; overpass; underpass	<del>)</del>	
nnel: road; railroad		<del></del>
uilt up area; locality; elevation		• '155
rport; landing field; landing strip	managations	f
ational boundary		
ate boundary		
ounty boundary		
ational or State reservation boundary		·
nd grant boundary		
S. public lands survey: range, township; section		
inge, township; section line: protracted		
ower transmission line; pipeline	hannon managaring and a	
am; dam with lock		<del></del> 0
emetery; building		
indmill; water well; spring	¥ 0	0
ine shaft; adıt or cave; mine, quarry; gravel pit	• ≻	× ×
ampground; picnic area; U. S. location monument	I	•
uins; cliff dwelling		Designation of the Control of the Co
istorted surface: strip mine, lava; sand		
ontours: index; intermediate; supplementary		
athymetric contours: index; intermediate		
tream, lake: perennial; intermittent		
apids, large and small; falls, large and small		
rea to be submerged; marsh, swamp		Mir.
and subject to controlled inundation; woodland	055435942	1.245. A 3V
crub; mangrove		A ST THE TANK
rchard: vinevard		



H-4639

H-4635

Photographic copies of the above and prior surveys may be obtained, at the cost of reproduction, by addressing the Director, N/CG243, National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852.