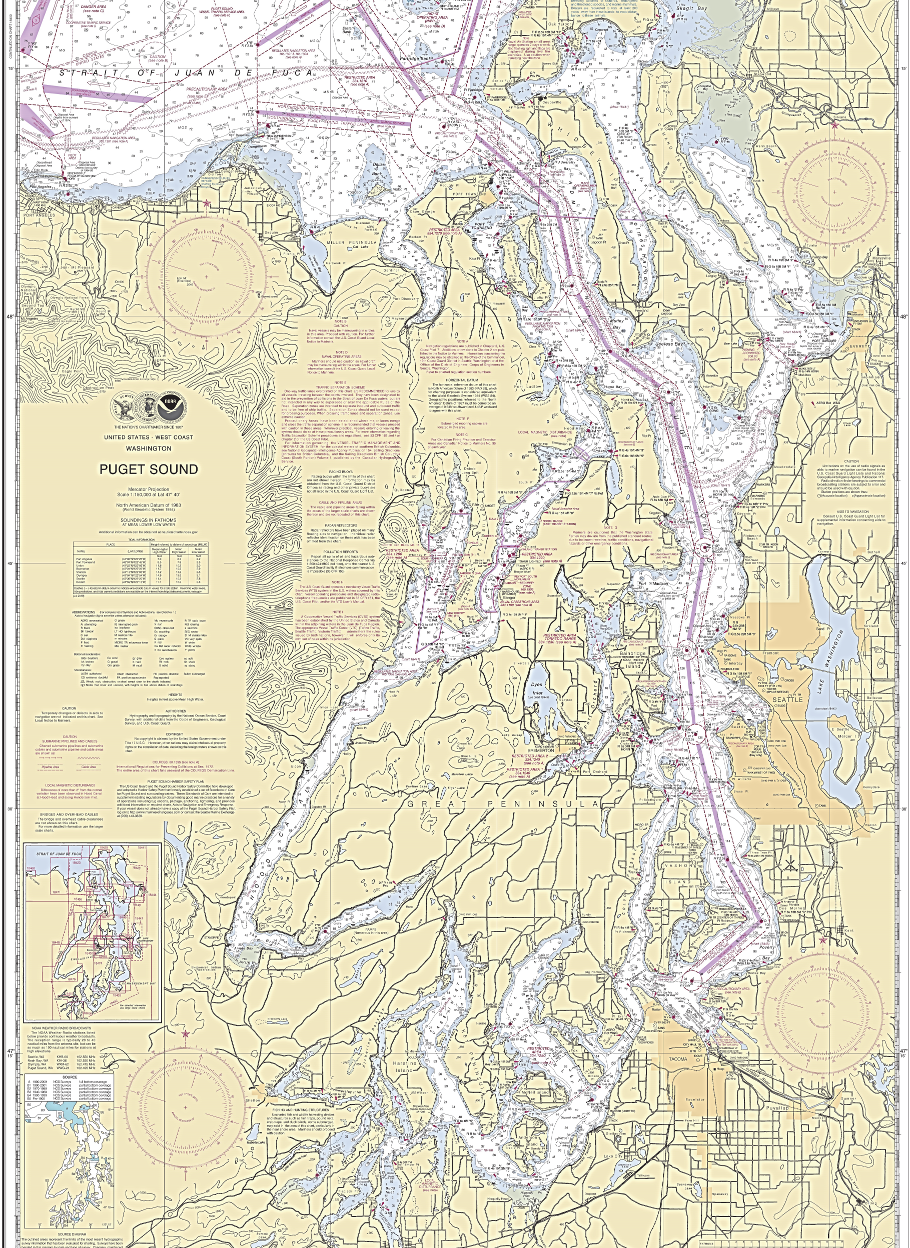
THE NATION'S CHARTMAKER SINCE 1807
UNITED STATES - WEST COAST
WASHINGTON
PUGET SOUND
Mercator Projection
Scale 1:150,000 at Lat 47° 40'
North American Datum of 1983
(World Geodetic System 1984)
SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER
Additional information can be obtained at nauticalcharts.noaa.gov.
STRAIT OF JUAN DE FUCA
NOTE B
CAUTION
Naval vessels may be maneuvering in circles in this area. Proceed with caution. For further information consult the U.S. Coast Guard Local Notice to Mariners.
NOTE D
NAVAL OPERATING AREAS
Mariners should use caution as naval craft may be maneuvering within the areas. For further information consult the U.S. Coast Guard Local Notice to Mariners.
NOTE E
TRAFFIC SEPARATION SCHEME
One-way traffic lanes overprinted on this chart are RECOMMENDED for use by all vessels traveling between the points involved. They have been designated to aid in the prevention of collisions in the Strait of Juan De Fuca waters, but are not intended in any way to supersede or alter the applicable Rules of the Road. Separation zones are intended to separate inbound and outbound traffic and to be free of ship traffic. Separation Zones should not be used except for crossing purposes. When crossing traffic lanes and separation zones, use extreme caution.
Precautionary Areas have been established where major lanes merge and cross the traffic separation scheme. It is recommended that vessels proceed with caution in these areas. Wherever practical, vessels entering or leaving the system should do so at these precautionary areas. For more information regarding Traffic Separation Scheme procedures and regulations, see 33 CFR 167 and / or chapter 2 of the US Coast Pilot.
For information governing the VESSEL TRAFFIC MANAGEMENT AND INFORMATION SYSTEM for the coastal waters of southern British Columbia, see National Geospatial-Intelligence Agency Publication 154, Sailing Directions (enroute) for British Columbia, and the Sailing Directions British Columbia Coast (South Portion) Volume 1, published by the Canadian Hydrographic Service.
NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Washington or at the Office of the District Engineer, Corps of Engineers in Seattle, Washington.
Refer to charted regulation section numbers.
HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.648" southward and 4.484" westward to agree with this chart.
NOTE F
Submerged mooring cables are located in this area.
NOTE C
For Canadian Firing Practice and Exercise Areas see Canadian Notice to Mariners No. 35 of each year
RACING BUOYS
Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.
CABLE AND PIPELINE AREAS
The cable and pipeline areas falling within the areas of the larger scale charts are shown thereon and are not repeated on this chart.
RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.
POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).
NOTE H
The U.S. Coast Guard operates a mandatory Vessel Traffic Services (VTS) system in the U.S. waters covered by this chart. Vessel operating procedures and designated radio-telephone frequencies are published in 33 CFR 161, the U.S. Coast Pilot, and/or the VTS User's Manual.
NOTE I
A Cooperative Vessel Traffic Services (CVTS) system has been established by the United States and Canada within the adjoining waters in the Juan de Fuca Region. The appropriate Vessel Traffic Center (VTC) (Tofino Traffic, Seattle Traffic, Victoria Traffic) administers the rules issued by both nations, however, it will enforce only its own set of rules within its jurisdiction.
NOTE G
Mariners are cautioned that the Washington State Ferries may deviate from the published standard routes due to inclement weather, traffic conditions, navigational hazards or other emergency conditions.
CAUTION
Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117. Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
⊙(Accurate location) o(Approximate location)
AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.
TIDAL INFORMATION
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Port Angeles	(48°08'N/123°25'W)	7.0	6.3	2.2
Port Townsend	(48°07'N/122°45'W)	8.5	7.8	2.5
Union	(47°22'N/123°06'W)	11.8	10.9	3.0
Bremerton	(47°34'N/122°37'W)	11.7	10.9	2.9
Shelton	(47°13'N/123°05'W)	14.2	13.2	2.6
Olympia	(47°04'N/122°54'W)	14.6	13.6	3.1
Seattle	(47°36'N/122°20'W)	11.4	10.5	2.8
Everett	(47°59'N/122°13'W)	11.1	10.2	2.8
Dashes (- - -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the internet from http://tidesandcurrents.noaa.gov.
(Jul 2010)
ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated):
AERO aeronautical, G green, Mo morse code, R TR radio tower, Al alternating, IQ interrupted quick, N nun, Rot rotating, B black, Iso isophase, OBSC obscured, s seconds, Bn beacon, LT HO lighthouse, Oc occulting, SEC sector, C can, M nautical mile, Or orange, St M statute miles, DIA diaphone, m minutes, Q quick, VQ very quick, F fixed, MICRO TR microwave tower, R red, W white, Fl flashing, Mkr marker, Ra Ref radar reflector, WHIS whistle, R Bn radiobeacon, Y yellow
Bottom characteristics:
Blds boulders, Co coral, gy gray, Oys oysters, so soft, bk broken, G gravel, h hard, Rk rock, Sh shells, Cy clay, Grs grass, M mud, S sand, sy sticky
Miscellaneous:
AUTH authorized, Obstn obstruction, PD position doubtful, Subm submerged, ED existence doubtful, PA position approximate, Rep reported
Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
Rocks that cover and uncover, with heights in feet above datum of soundings.
HEIGHTS
Heights in feet above Mean High Water.
CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.
AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.
CAUTION
SUBMARINE PIPELINES AND CABLES
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:
Pipeline Area
Cable Area
COPYRIGHT
No copyright is claimed by the United States Government under Title 17 U.S.C. However, other nations may claim intellectual property rights on the compilation of data depicting the foreign waters shown on this chart.
COLREGS, 80.1395 (see note A)
International Regulations for Preventing Collisions at Sea, 1972
The entire area of this chart falls seaward of the COLREGS Demarcation Line.
LOCAL MAGNETIC DISTURBANCE
Differences of more than 2° from the normal variation have been observed in Hood Canal at Hood Head and along Henderson Inlet.
PUGET SOUND HARBOR SAFETY PLAN
The US Coast Guard and the Puget Sound Harbor Safety Committee have developed and adopted a Harbor Safety Plan that formally established a set of Standards of Care for Puget Sound and surrounding waters. These Standards of Care are intended to supplement existing regulations by documenting good marine practices for a variety of operations including tug escorts, pilotage, anchoring, lightering, and provides additional information on required charts, Aids to Navigation and Emergency Response. If your vessel does not already have a copy of the Puget Sound Harbor Safety Plan, log on to http://www.marineexchangesea.com or contact the Seattle Marine Exchange at (206) 443-3830.
BRIDGES AND OVERHEAD CABLES
The bridge and overhead cable clearances are not shown on this chart.
For more detailed information use the larger scale charts.
For detailed information use large scale charts
NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.
Seattle, WA KHB-60 162.550 MHz
Neah Bay, WA KIH-36 162.550 MHz
Olympia, WA WXM-62 162.475 MHz
Puget Sound, WA WWG-24 162.425 MHz
SOURCE
A 1990-2009 NOS Surveys full bottom coverage
B1 1990-2001 NOS Surveys partial bottom coverage
B2 1970-1989 NOS Surveys partial bottom coverage
B3 1940-1969 NOS Surveys partial bottom coverage
B4 1900-1939 NOS Surveys partial bottom coverage
B5 Pre-1900 NOS Surveys partial bottom coverage
SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained
FISHING AND HUNTING STRUCTURES
Uncharted fish and wildlife harvesting devices and structures such as fish traps, pound nets, crab traps, and duck blinds, some submerged, may exist in the area of this chart, particularly in the near shore area. Mariners should proceed with caution.
RAMPS
(Numerous in this area)
SEATTLE
TACOMA
BREMERTON
EVERETT
GREAT PENINSULA
HOOD CANAL
PUGET SOUND
LAKE WASHINGTON
CONTINUED ON CHART 18460
18440