



UNITED STATES - WEST COAST  
OREGON

# SWAN ISLAND BASIN

WILLAMETTE RIVER

Mercator Projection  
Scale 1:5,000 at Lat. 45° 33' 30"  
North American Datum of 1983  
(World Geodetic System 1984)

SOUNDINGS IN FEET  
AT COLUMBIA RIVER DATUM  
(MEAN LOWER LOW WATER DURING LOWEST RIVER STAGES)

ABBREVIATIONS: For complete list of Symbols and Abbreviations, see Chart No. 1.)  
Additional information can be obtained at nauticalcharts.noaa.gov.

**CAUTION**  
SUBMARINE PIPELINES AND CABLES  
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:  
Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging or trawling. Covered wells may be marked by lighted or unlighted buoys.

**NOTE A**  
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 18th 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 0.576" southward and 4.354" westward to agree with this chart.

**CAUTION**  
Numerous obstructions found in 2005, consisting mainly of submerged snags and ruined piles, are not charted in the Willamette River and Swan Island Basin. These obstructions do not present a hazard to surface navigation, but should be taken into consideration for ground fishing and anchoring.

**AIDS TO NAVIGATION**  
Consult the U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

**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.

Woodland, WA WNG-604 162.525 MHz  
Astoria, OR WNG-607 162.525 MHz  
Portland, OR KIG-58 162.550 MHz

**STATUTE MILES**  
COLUMBIA AND WILLAMETTE RIVERS  
Mileage distances along the Willamette River are in Statute Miles. Distances along the Columbia River are in Nautical Miles. Distances from the junction with the Columbia River are indicated thus:  $\rightarrow$  and  $\leftarrow$ . Tables for converting Statute Miles to International Nautical Miles are given in Coast Pilot 7.

**TIDES**  
The diurnal range of the tide at Portland (45°31'N, 122°40'W) during lowest river stages is 2.4 feet. The range becomes progressively smaller with higher stages of the river.  
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**HEIGHTS**  
Heights in feet above Mean High Water.

**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.

**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 1-800-424-6622 (toll free) or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 155).

**WARNING**  
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

**SUPPLEMENTAL INFORMATION**  
Consult U.S. Coast Pilot 7 for important supplemental information.

**CAUTION**  
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

**ZOC CATEGORIES**  
(Refer to Chapter 1, United States Coast Pilot)

ZOC	DATE	POSITION ACCURACY	DEPTH ACCURACY	SEAFLOOR COVERAGE
A1	2009	± 16.4 ft	± 1.6 ft + 1%td	All significant seabed features detected.
B	1940 - 1959	± 164.0 ft	± 3.3 ft + 2%td	Uncharted features hazardous to surface navigation are not expected but may exist.
C	1939	± 1640.4 ft	± 6.6 ft + 2%td	Depth anomalies may be expected.
U	Unassessed			The quality of the bathymetric data has yet to be assessed.

