



LEGEND

	Federal Navigation Channel		Buoy, Lateral		Benchmark
	Federal Navigation Channel Centerline		Buoy, Cardinal		Pylon Bridge Support
	Pipeline, Submarine on Land Line		Buoy, Isolated Danger		Obstruction Point
	Cable, Overhead		Buoy, Safe Water		Wreck-Submerged
	Cable, Submarine		Buoy, Special Purpose		Staff Gage
	Pipeline, Overhead		Beacon, General		Steel King Pile
	Anchorage Area		Shoalest Sounding**		
	Dredged Material Placement Area				
	Cable Area				
	Pipeline Area				
	Shoaling Area				
	Contour Lines				

THE EXISTING PROJECT

The existing project provides for a channel 43 feet deep and 600 feet wide from deep water in the Columbia River Entrance at river mile 3.0 to river mile 101.4 at the Mouth of the Willamette River; and also provides for a turning basin 43 feet deep, 800 feet wide and 4,250 feet long in Astoria.

NOTES:

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Soundings are shown in feet and indicate depths below Mean Lower Low Water. MLLW is 0.03 feet below the North American Vertical Datum (NAVD) 88 Geoid (09) at Columbia River Mile 10.9, 0.03 feet above at Columbia River Mile 13.4.

River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basin Commission, July 1972.

The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is not in support of channel maintenance only.

** Shoalest Sounding per Quarter per Reach

STAFF GAGE AT BRIDGE PIER: Northing: 938345 Easting: 7353764

CONDITION PREDREDGE POSTDREDGE

COLUMBIA AND LOWER WILLAMETTE RIVERS
BELOW VANCOUVER, WASH. AND PORTLAND, OREG.

COLUMBIA RIVER

FLAVEL BAR

17 December 2024

SCALE IN FEET
0 500 1000 1500 2000 2500

SUBMITTED: _____ APPROVED: _____
RECOMMENDED: _____ CHIEF, WATERWAYS MAINTENANCE SECTION

CHIEF, SURVEY SECTION _____ SURVEYED: _____ PLOTTED: _____ CHECKED: _____

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