



**LEGEND**

	Federal Navigation Channel		Benchmark
	Federal Navigation Channel Centerline		Pylon Bridge Support
	Pipeline, Submarine On Land Line		Rock
	Cable, Overhead		Buoy, Cardinal
	Cable, Submarine		Buoy, Isolated Danger
	Pipeline, Overhead		Buoy, Safe Water
	Anchorage Area		Buoy, Special Purpose
	Dredged Material Placement Area		Beacon, General
	Cable Area		Steel King Pile
	Pipeline Area		Shoalest Sounding**
	Shoaling Area		

**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.

**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. MLWLW is 0.11 feet below the North American Vertical Datum (NAVD) 88 Goid (9) at Columbia River Mile 8.6, 0.08 feet below at Columbia River Mile 9.8.

River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Commission, 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

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

**COLUMBIA RIVER**

DESDEMONA SANDS

19 December 2023

SCALE IN FEET  
0 1,000 2,000 3,000 4,000 5,000

SUBMITTED: \_\_\_\_\_ APPROVED: \_\_\_\_\_  
RECOMMENDED: \_\_\_\_\_ CHIEF, WATERWAYS MAINTENANCE SECTION  
CHIEF, SURVEY SECTION \_\_\_\_\_ SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ CHECKED: \_\_\_\_\_

STAFF GAGE AT WOODEN PILING: Northing: 945307 Easting: 7328118  
STAFF GAGE AT HAMMOND: Northing: 943437 Easting: 7328429

CONDITION  PREDRIDGE  POSTDRIDGE

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