



**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		Buoy, General		Recording Gage
	Anchorage Area		Beacon, Lines		Shoalest Sounding**
	Dredged Material Placement Area				
	Cable Area				
	Pipeline Area				
	Shoaling Area				

**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 0.2 feet below the North American Vertical Datum (NAVD 88 Gage 09) at Columbia River Mile 2.0.

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 intended to support channel maintenance only.

\*\* Shoalest Sounding per Quarter per Reach

STAFF GAGE AT HAMMOND: Nothing: 943276 Easting: 7328236

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

**COLUMBIA RIVER**

**MCR - DEEP WATER DISPOSAL SITE**

18 June 2024

SCALE IN FEET

0 1,000 2,000 3,000 4,000 5,000

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

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