



**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 Columbia River Datum (CRD) is 4.54 feet above the North American Vertical Datum of 1988 (NAVD 88 Geoid 09) at Columbia River Mile 91.6.  
 River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins 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 in support of channel maintenance only.  
 \*\* Shoalest Sounding per Quarter per Reach

**LEGEND**

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

COLUMBIA AND LOWER WILLAMETTE RIVERS  
 BELOW VANCOUVER, WASH. AND PORTLAND, OREG.  
**COLUMBIA RIVER**  
**HENRICI BAR**  
 19 March 2024  
 SCALE IN FEET  
 0 500 1,000 1,500 2,000 2,500  
 SUBMITTED: \_\_\_\_\_ APPROVED: \_\_\_\_\_  
 RECOMMENDED: \_\_\_\_\_ CHIEF, WATERWAYS MAINTENANCE SECTION  
 CHIEF, SURVEY SECTION SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 CL\_25\_HENX\_20240319\_CS

**THE EXISTING PROJECT**  
 The existing project provides for a channel 43 feet deep and 400 feet wide from deep water in the Columbia River Entrance at river mile 101.4 at the Mouth of the Willamette River.

STAFF GAGE AT LIGHT 10    Northing: 789149    Easting: 761604  
 STAFF GAGE AT LIGHT 13    Northing: 783035    Easting: 7621164  
 CONDITION  PREDREDGE     POSTDREDGE