



# WASHINGTON

## Hewlett Point

## Belle Vue Point

## Sauvie Island

# OREGON

**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 4.89 feet above the North American Vertical Datum of 1988 (NAVD 88 Geoid 09) at Columbia River Mile 98.2, 4.96 feet above at River Mile 99.8.  
 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
  - Federal Navigation Channel Centerline
  - Pipeline, Submarine On Land Line
  - Cable, Overhead
  - Cable, Submarine
  - Pipeline, Overhead
  - Anchorage Area
  - Dredged Material Placement Area
  - Cable Area
  - Pipeline Area
  - Shoaling Area
  - Buoy, Lateral
  - Buoy, Cardinal
  - Buoy, Isolated Danger
  - Buoy, Safe Water
  - Buoy, Special Purpose
  - Beacon, General
  - Contour Lines
  - Benchmark
  - Pylon Bridge Support
  - Rock
  - Obstruction Point
  - Weak-Submerged
  - Staff Gage
  - Steel King Pile
  - Shoalest Sounding\*\*

COLUMBIA AND LOWER WILLAMETTE RIVERS  
 BELOW VANCOUVER, WASH. AND PORTLAND, OREG.  
**COLUMBIA RIVER**  
**MORGAN BAR**  
 12 December 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\_27\_MGN\_20241212\_CS

**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 101.4 at the Mouth of the Willamette River.