CORPS OF ENGINEERS

U.S. ARMY





W A S H I N G T O N

VANCOUVER

Columbia River Main Channel

Vancouver Upper Bar Channel Lighted Buoy 14

52+85

STAFF GAGE

OSMB-2010

RAMP

FLOW

WASHINGTON OREGON

108 00

109 00

40

30

20

10

52+80

North Portland Harbor Dike Light 2

North Portland Harbor East End Range Front Light

North Portland Harbor East End Range Rear Light

O R E G O N

Portland International Airport

714,000 7,650,000 716,000 7,652,000 718,000 7,654,000 712,000 7,656,000 710,000 7,658,000 708,000 7,660,000 706,000 7,662,000

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
- Wreck-Submerged
- Staff Gage
- Recording Gage
- Shoalest Sounding**

THE EXISTING PROJECT

The existing project provides for a channel 10 feet deep and 300 feet wide from River Mile 5.8 to deep water in the Columbia River.

2012 Aerial Photography data source: USDA, Service Center Agencies - Reference is Navigation Chart No. 18531

NOTES:

Horizontal Coordinate System:
North American Datum of 1983 (NAD83-2011), 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 5.59 feet above the North American Vertical Datum of 1988 (NAVD 88 Geoid 09) at River Mile 109.4.

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

STAFF GAGE AT RED LION: Northing: 720349 Easting: 7645322
STAFF GAGE AT SHERIFF'S BOAT DOCK: Northing: 712559 Easting: 765982

COLUMBIA RIVER BETWEEN VANCOUVER, WASH. AND THE HEAD OF THE DALLES, OREG.

COLUMBIA RIVER OREGON SLOUGH

UPSTREAM ENTRANCE CHANNEL

04 November 2026

SCALE IN FEET

0 300 600 900 1,200 1,500

SUBMITTED: APPROVED:

CHIEF, WATERWAYS MAINTENANCE SECTION

RECOMMENDED:

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

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