CORPS OF ENGINEERS

U.S. ARMY

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 4.37 feet above the North American Vertical Datum of 1988 (NAVD 88 Geoid 09) at Columbia River Mile 88.7.

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 condition existing at that time.

** Shoalest Sounding per Quarter per Reach

STAFF GAGE AT LIGHT 10: Northing: 789149 Easting: 7616404
STAFF GAGE AT DUCK CLUB 4A: Northing: 796752 Easting: 7616697

CONDITION [X] PREDREDGE [ ] POSTDREDGE [ ]

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.

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**

2012 Aerial Photography data source: USDA, Service Center Agencies - Reference is Navigation Chart No. 18525

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

COLUMBIA RIVER

WARRIOR ROCK BAR

20 October 2016

SCALE IN FEET
0 500 1,000 1,500 2,000 2,500

SUBMITTED: ____________

RECOMMENDED: ____________
CHIEF, SURVEY SECTION

APPROVED: ____________
CHIEF, WATERWAYS MAINTENANCE SECTION

SURVEYED: ____ PLOTTED: ____ CHECKED: ____

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