CORPS OF ENGINEERS

U.S. ARMY

## 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. 18521

## 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.

## 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 0.11 feet below the North American Vertical Datum (NAVD 88 Geoid 09) at Columbia River Mile 8.6, 0.08 feet below at Columbia River Mile 9.8.

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 condition existing at that time.

** Shoalest Sounding per Quarter per Reach

| | | |
|---|---|---|
| STAFF GAGE AT WOODEN PILING: | Northing: 945307 | Easting: 7328118 |
| STAFF GAGE AT HAMMOND: | Northing: 943437 | Easting: 7328429 |

CONDITION [X] PREDREDGE [ ] POSTDREDGE [ ]

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

# C O L U M B I A R I V E R

## UPPER DESDEMONA SANDS

15 August 2016

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

SUBMITTED: ____________

APPROVED: ____________
CHIEF, WATERWAYS MAINTENANCE SECTION

RECOMMENDED: ____________
CHIEF, SURVEY SECTION

SURVEYED: ____ PLOTTED: ____ CHECKED: ____

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