CORPS OF ENGINEERS

U.S. ARMY





W A S H I N G T O N

O R E G O N

Martin Slough

Martin Island

Martin Bluff

Deer Island Point

Deer Island

Goat Island

Bybee Ledge Lighted Buoy 59

Martin Island Bluff Lighted Buoy 60

Turning Basin Light Buoy "77"

O-77-9 TRANSFER SITE

LOWER DEER ISLAND (O-77-0) PLACEMENT AREA

SUBMARINE PIPELINE CROSSING AREA

STAFF GAGE

Kalama Upper Range Front Light

Kalama Upper Range Rear Light

Martin Island Lower Range Front Light

Martin Island Lower Range Rear Light

Martin Island Dike Light 63

Martin Island Middle Dike Light 65

Deer Island Lower Dike Light 62

Hunter Dike Light 52

Hunter Dike Light 54

MARTIN Island Control Disk

C534

1402-01

1402-02

FLOW

WASHINGTON CHANNEL

7,610,000

7,605,000

855,000

850,000

845,000

840,000

835,000

7,615,000

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 3.51 feet above the North American Vertical Datum of 1988 (NAVD 88 Geoid 09) at Columbia River Mile 77.3, 3.73 feet above at River Mile 79.7.

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 channel conditions existing at that time and is in support of channel maintenance only.

** Shoalest Sounding per Quarter per Reach

STAFF GAGE AT DIKE: Northing: 851967 Easting: 7606999
STAFF GAGE AT LIGHT 63: Northing: 841892 Easting: 7615435

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, Overheac
- 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. 18524

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

COLUMBIA RIVER

LOWER MARTIN ISLAND BAR

20 October 2026

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:

CL_21_LMT_20261020_CS