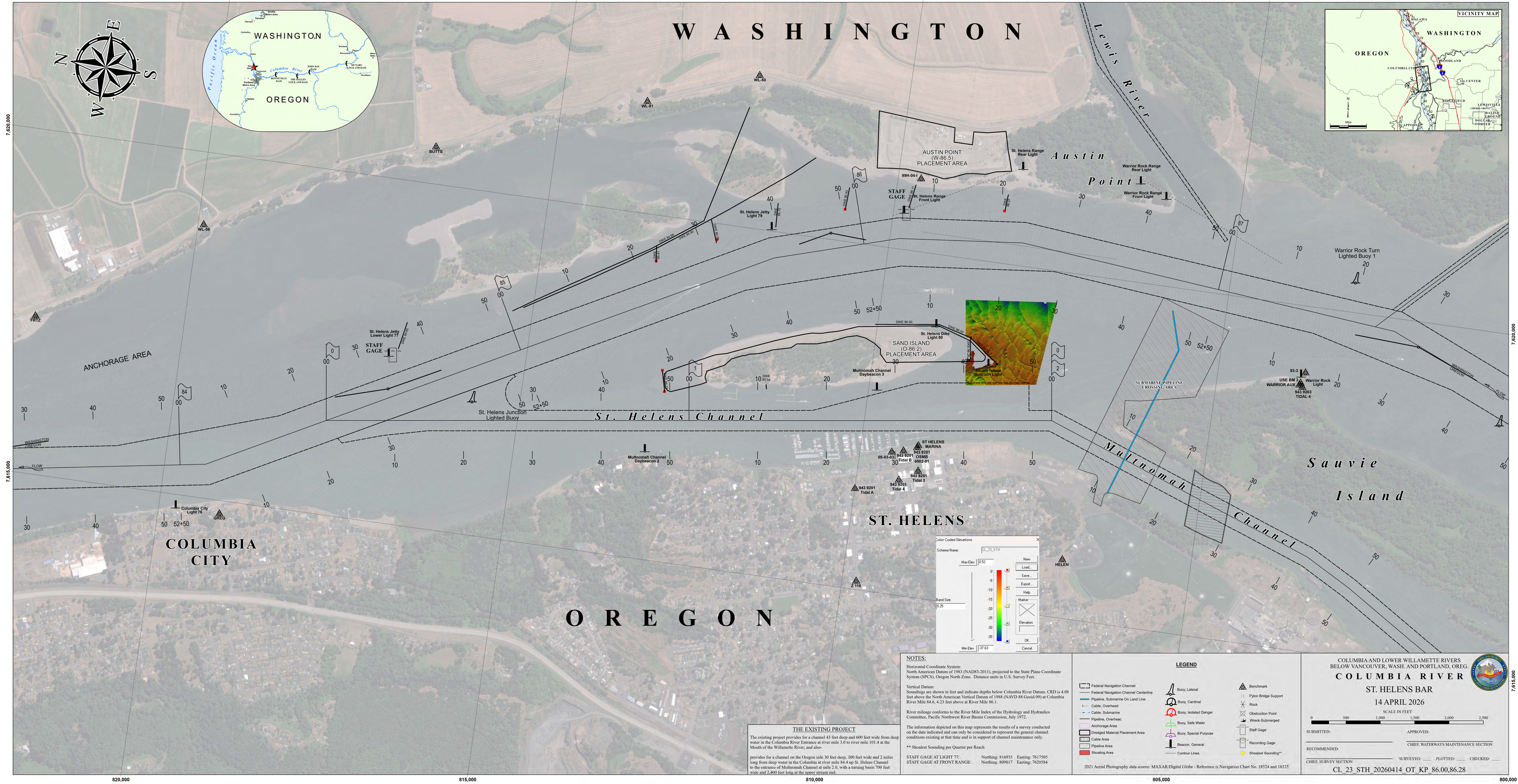


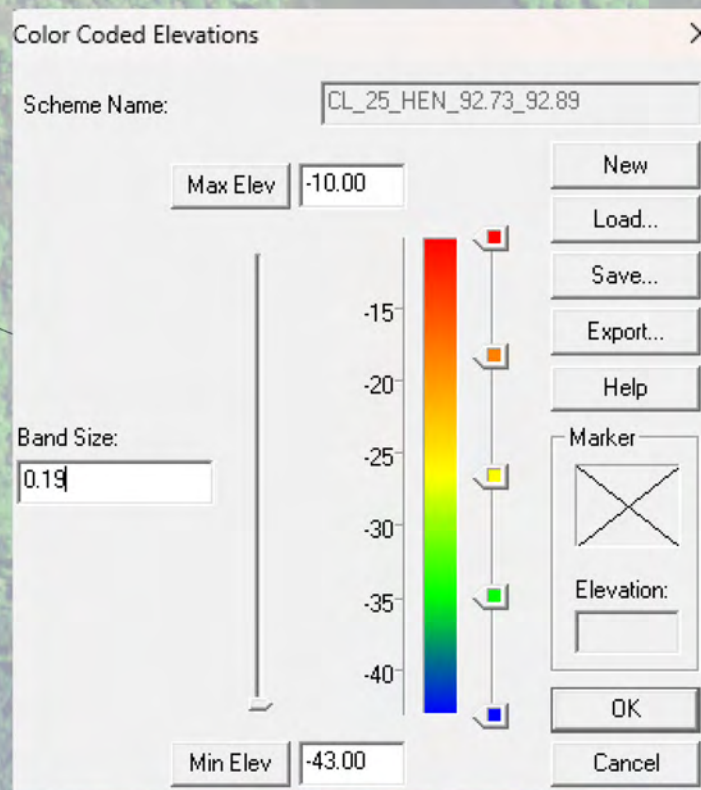
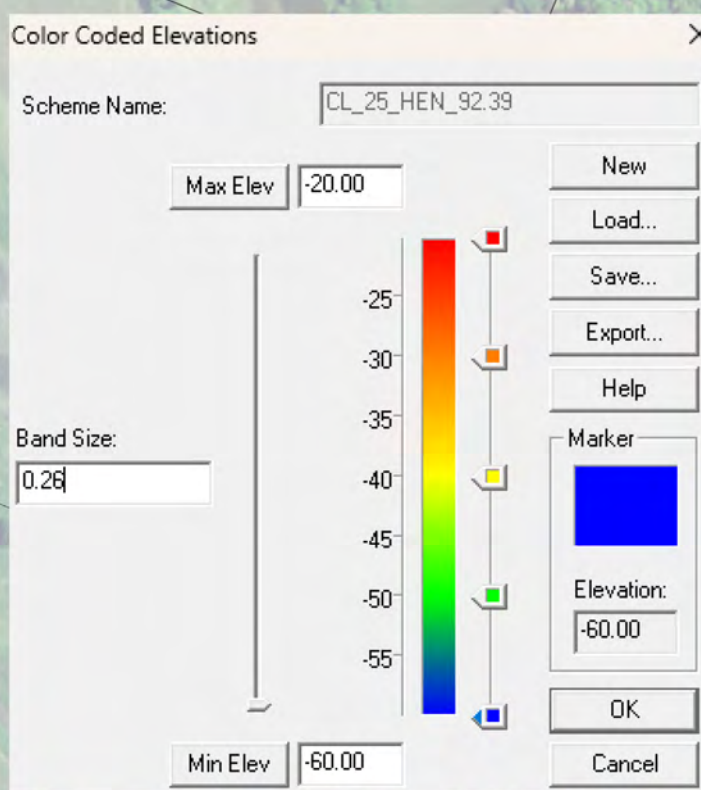
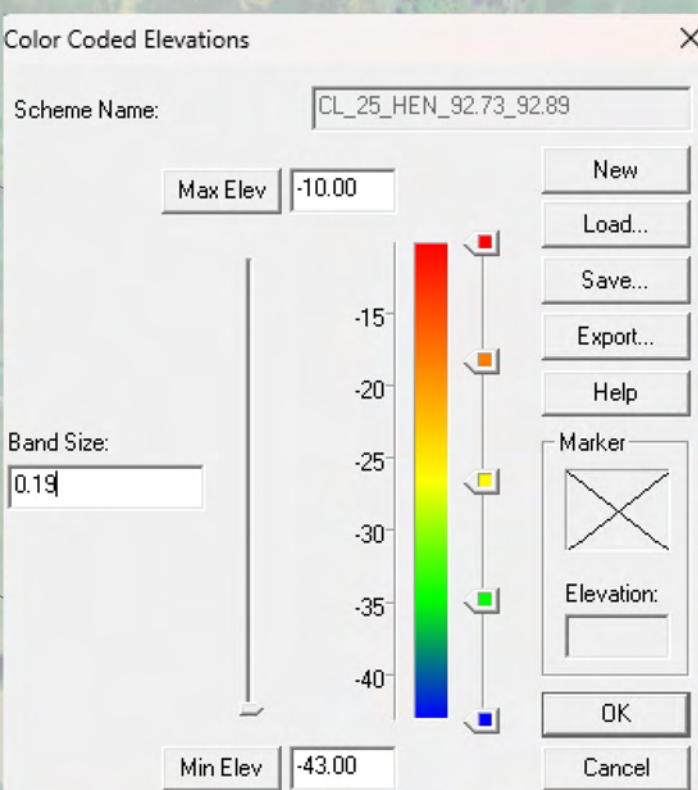






Bachelor L. Slough

WASHINGTON



Bachelor Point

FW-14  
1105-37  
1105-06

Bachelor Point Light 13

STAFF GAGE

92

91.99

07H-10-01

DIKE 92.19

20

DIKE 92.53

40

DIKE 92.73

DIKE 92.89

50

93

Fales Light 17

10

20

30

40

50

52+50

10

20

30

40

50

52+50

10

20

30

40

50

52+50

10

20

30

40

50

52+50

10

20

30

40

50

52+50

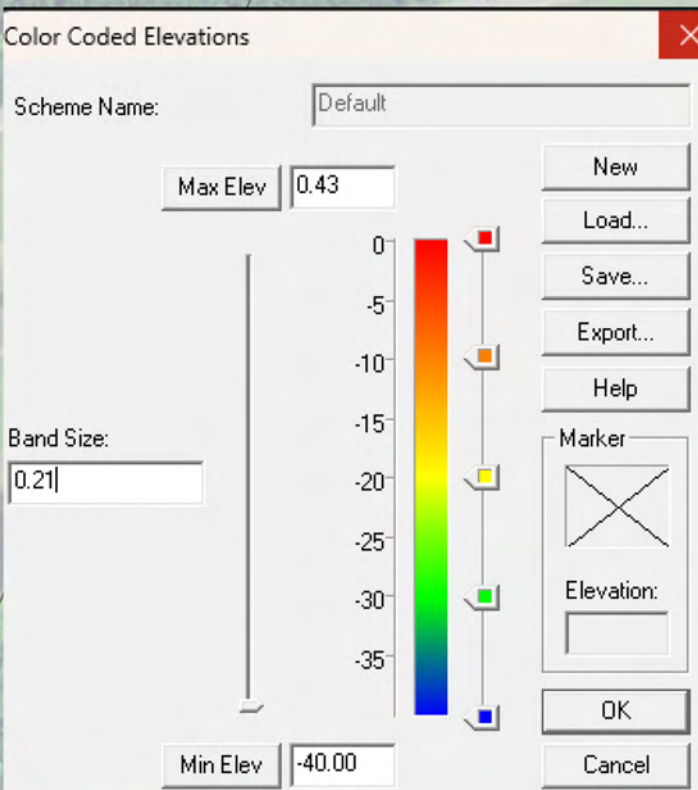
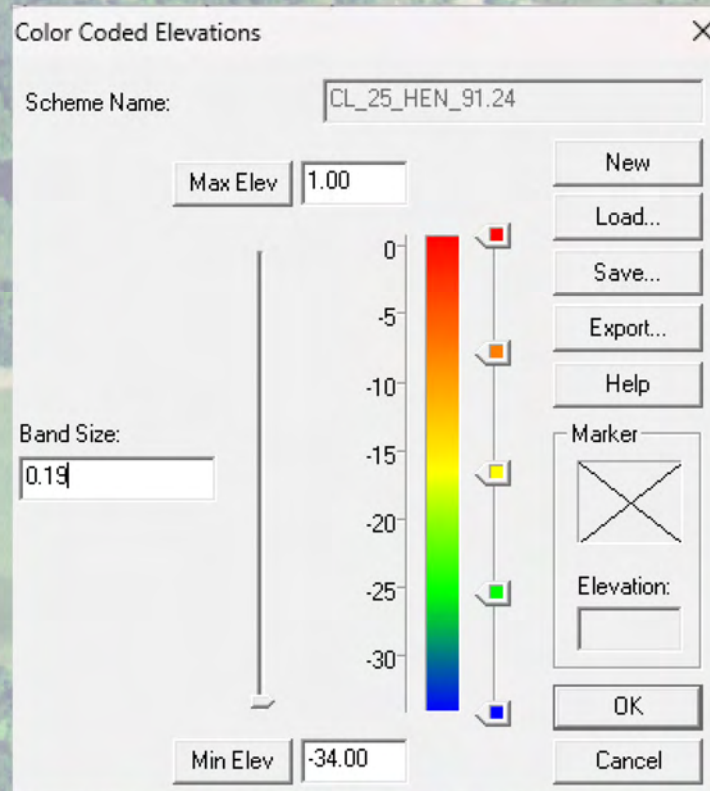
10

20

30

40

OREGON



ANCHORAGE AREA

Sauvie

Island

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 4.54 feet above the North American Vertical Datum of 1988 (NAVD 88 Geoid 09) at Columbia River Mile 91.6.

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 LIGHT 10  
STAFF GAGE AT LIGHT 13

Northing: 789149 Easting: 761604  
Northing: 783035 Easting: 762164

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

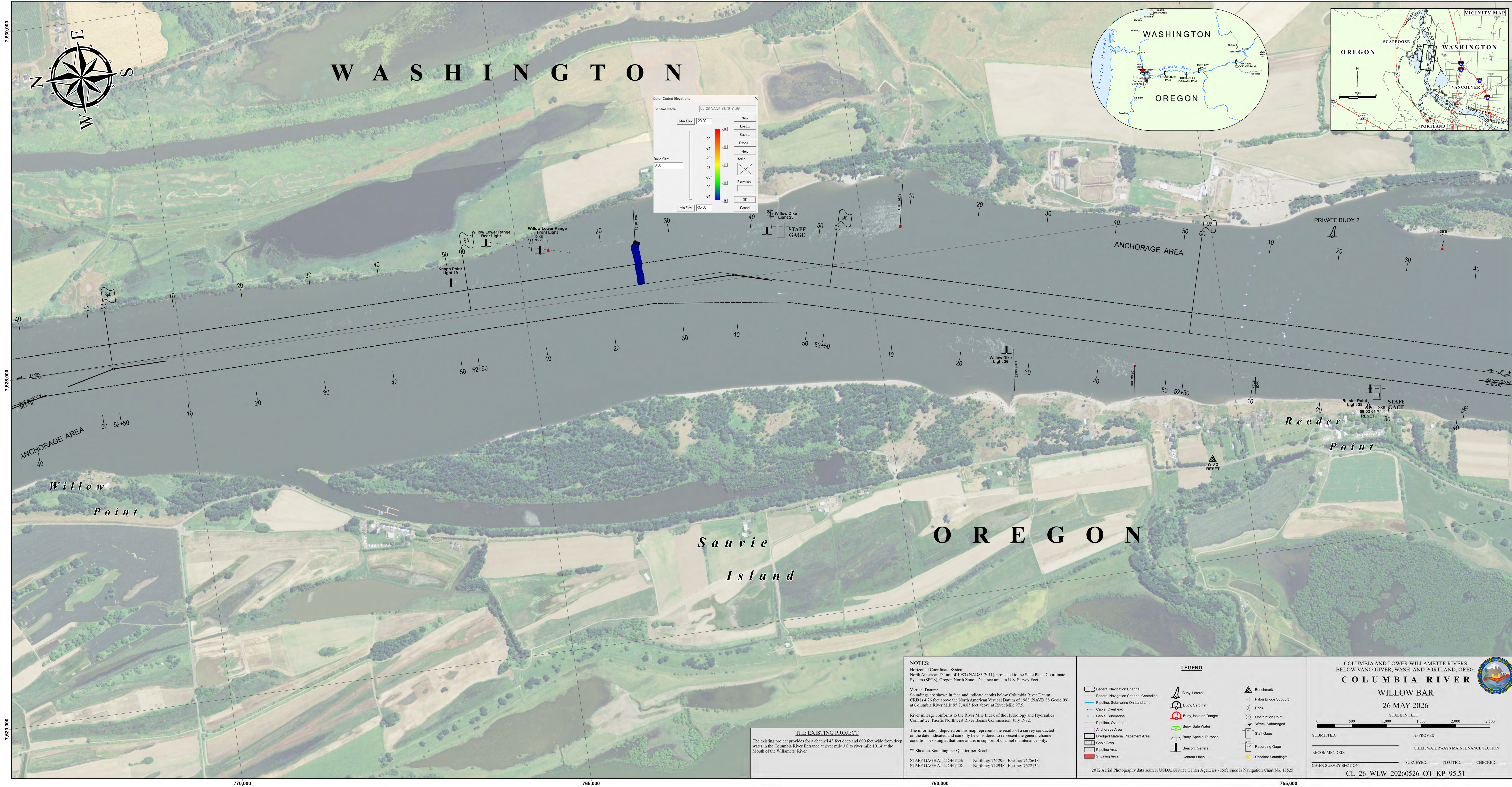
Buoy, Lateral  
Buoy, Cardinal  
Buoy, Isolated Danger  
Buoy, Safe Water  
Buoy, Special Purpose  
Beacon, General  
Shoalest Sounding\*\*

Benchmark  
Pylon Bridge Support  
Rock  
Obstruction Point  
Wreck-Submerged  
Staff Gage  
Recording Gage

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**  
**HENRICI BAR**  
21 MAY 2026  
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\_25\_HEN\_20260521\_OT\_KP\_91.24\_91.79\_91.99\_92.00\_92.39\_92.73\_92.89  
770,000 7,620,000





Color Coded Elevations

Scheme Name: CL\_26\_WLW\_91\_79\_91.99

Max Elev: 20.00

Band Size: 0.08

Min Elev: 35.00

New  
Load...  
Save...  
Export...  
Help  
Make  
Elevation  
OK  
Cancel



ANCHORAGE AREA

Willow Point

Sauvie Island

OREGON

Reeder Point

**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 4.76 feet above the North American Vertical Datum of 1988 (NAVD 88 Geoid 09) at Columbia River Mile 95.7, 4.85 feet above at River Mile 97.5.

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 LIGHT 23:    Northing: 761295    Easting: 7625618  
STAFF GAGE AT LIGHT 28:    Northing: 752948    Easting: 7622134

**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**

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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**

**WILLOW BAR**

26 MAY 2026

SCALE IN FEET

0 500 1,000 1,500 2,000 2,500

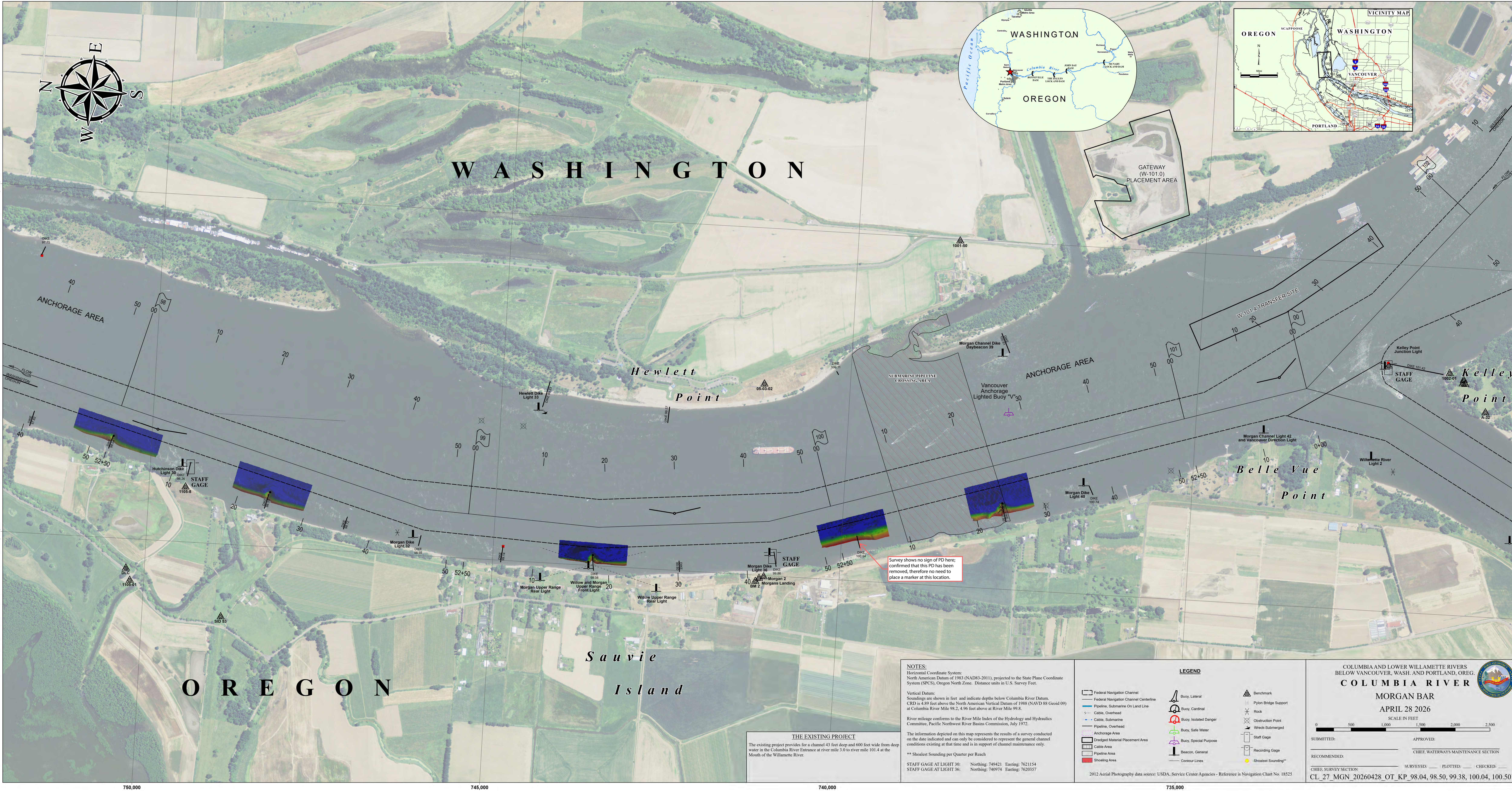
SUBMITTED: \_\_\_\_\_ APPROVED: \_\_\_\_\_

RECOMMENDED: \_\_\_\_\_ CHIEF, WATERWAYS MAINTENANCE SECTION

CHIEF, SURVEY SECTION \_\_\_\_\_ SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ CHECKED: \_\_\_\_\_

CL\_26\_WLW\_20260526\_OT\_KP\_95.51





WASHINGTON

OREGON

Sauvie  
Island

Hewlett  
Point

Bellevue  
Point

Kelley  
Point

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 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  
STAFF GAGE AT LIGHT 30: Northing: 749421 Easting: 7621154  
STAFF GAGE AT LIGHT 36: Northing: 740974 Easting: 7620357

| LEGEND |  |  |
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COLUMBIA AND LOWER WILLAMETTE RIVERS  
BELOW VANCOUVER, WASH. AND PORTLAND, OREG.  
**COLUMBIA RIVER**  
**MORGAN BAR**  
APRIL 28 2026  
SCALE IN FEET  
0 500 1,000 1,500 2,000 2,500  
SUBMITTED: \_\_\_\_\_ APPROVED: \_\_\_\_\_  
RECOMMENDED: \_\_\_\_\_ CHIEF, WATERWAYS MAINTENANCE SECTION  
CHIEF, SURVEY SECTION  
CL 27\_MGN\_20260428\_OT\_KP\_98.04, 98.50, 99.38, 100.04, 100.50





WASHINGTON

VANCOUVER

Mathews

Point

Belle Vue

Point

Kelley

Point

Hayden

Island

OREGON

Oregon Slough

Sauvie

Island

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
- Pipeline Area
- Shoaling Area
- Buoy, Lateral
- Buoy, Cardinal
- Buoy, Isolated Danger
- Buoy, Safe Water
- Buoy, Special Purpose
- Buoy, General
- Buoy, Shallowest Sounding
- Benchmark
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged
- Staff Gage
- Recording Gage
- Beacon, Linear

COLUMBIA AND LOWER WILLAMETTE RIVERS

BELOW VANCOUVER, WASH. AND PORTLAND, OREG.

COLUMBIA RIVER

LOWER VANCOUVER BAR

JULY 9 2024

SCALE IN FEET

SUBMITTED: \_\_\_\_\_ APPROVED: \_\_\_\_\_

RECOMMENDED: \_\_\_\_\_ CHIEF, WATERWAYS MAINTENANCE SECTION

CHIEF, SURVEY SECTION \_\_\_\_\_ SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ CHECKED: \_\_\_\_\_

CL 28 VBR 20240709 OT KP 103.02,103.94,104.20,104.66,105.04

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 5.14 feet above the North American Vertical Datum of 1988 (NAVD 88 Geoid 09) at Columbia River Mile 103.8.

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

STAFF GAGE AT LIGHT 51: Northing: 727847 Easting: 7634242  
STAFF GAGE AT TERMINAL 6: Northing: 726556 Easting: 7628075  
STAFF GAGE AT KELLY POINT: Northing: 732276 Easting: 7623533  
STAFF GAGE AT VAN ALCO: Northing: 729654 Easting: 7630361

THE EXISTING PROJECT

The existing project provides for a channel 43 feet deep and 500 feet wide from river mile 101.4 at the mouth of the Willamette River to river mile 104.6 at the lower Vancouver turning basin.

Also provides for a channel 43 feet deep and 400 feet wide from the Columbia River to Oregon Slough mile 1.5 with a triangular turning basin about 3,000 feet long, an average width of 1,000 feet and 45 feet deep. Thence a channel 20 feet deep and 200 feet wide to Oregon Slough mile 3.8.

Also provides for an anchorage area 43 feet deep, 2,000 feet long and 370-550 feet wide, with a stern anchor buoy, between river miles 102+36.5 and 103+03.5 on the Oregon side of the river, and an anchorage area 25 feet deep, 2,000 feet long and 10-550 feet wide, with a stern anchor buoy, between river miles 103+31 and 103+51 on the Oregon side of the river.

