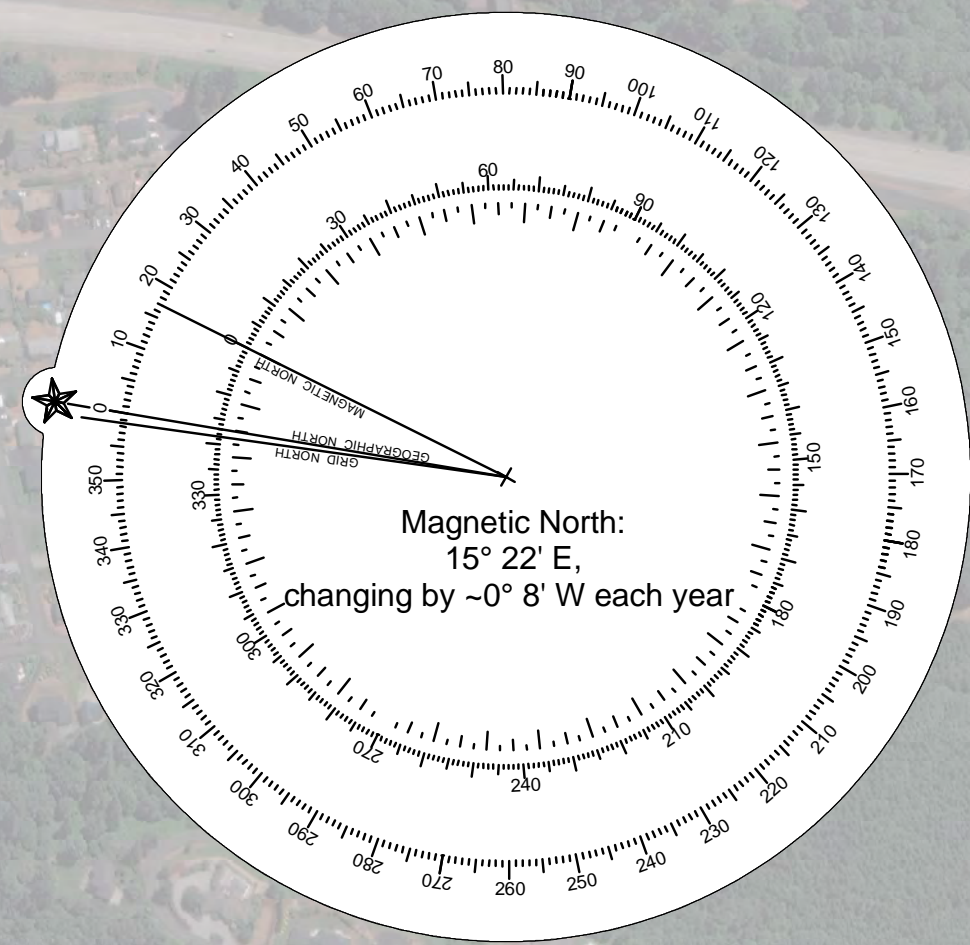
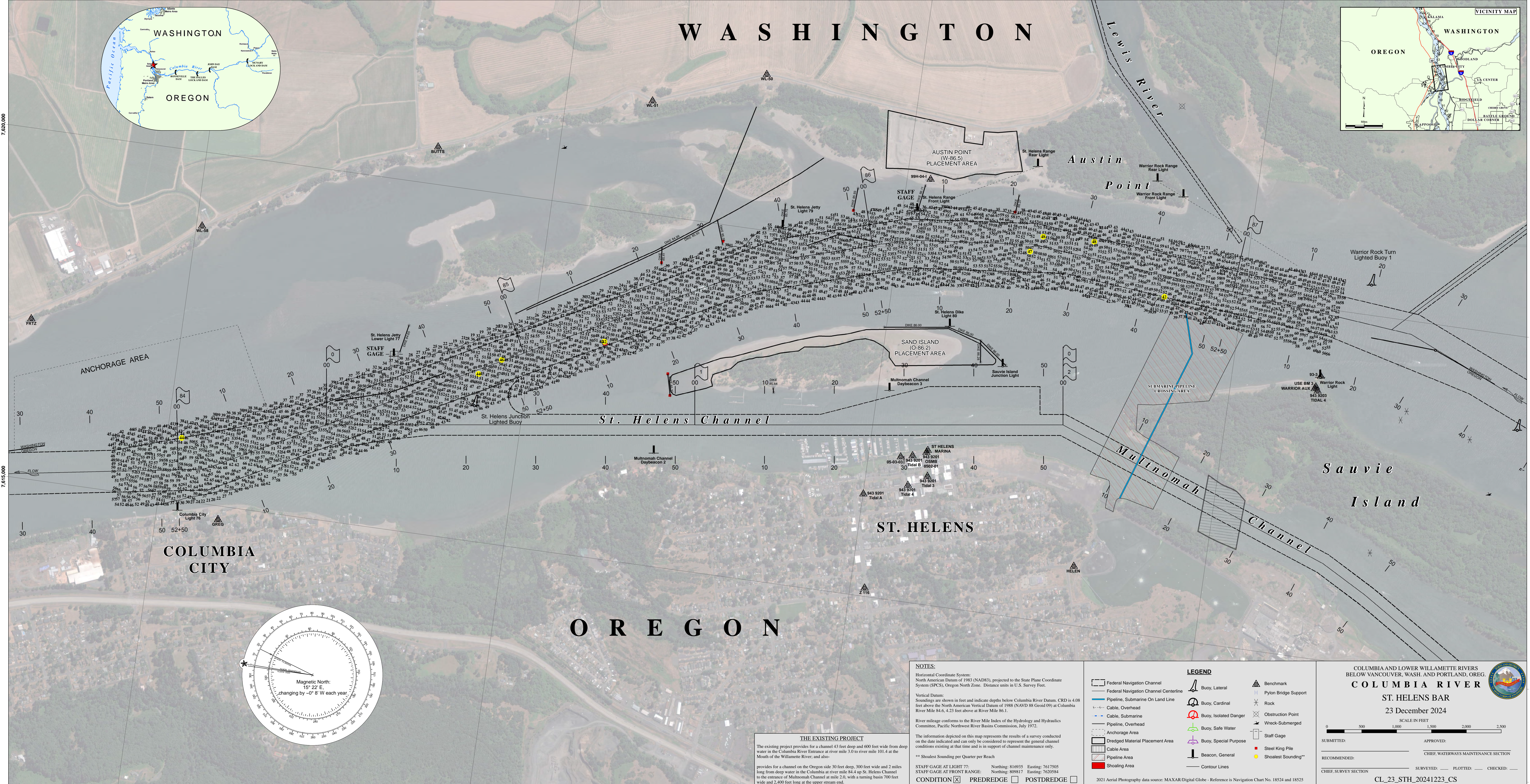




# WASHINGTON

# OREGON



**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; and also provides for a channel on the Oregon side 30 feet deep, 300 feet wide and 2 miles long from deep water in the Columbia at river mile 84.4 up St. Helens Channel to the entrance of Multnomah Channel at mile 2.0, with a turning basin 700 feet wide and 2,400 feet long at the upper stream end.

**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 4.08 feet above the North American Vertical Datum of 1988 (NAVD 88 Geoid 09) at Columbia River Mile 84.6, 4.23 feet above at River Mile 86.1.  
River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basin 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.  
\*\* Shoaltest Sounding per Quarter per Reach  
STAFF GAGE AT LIGHT 77:      Northing: 816935      Easting: 761705  
STAFF GAGE AT FRONT RANGE:      Northing: 809817      Easting: 7620584  
CONDITION  PREDREDGE     POSTDREDGE   

**LEGEND**

	Buoy, Lateral	
	Buoy, Cardinal	
	Buoy, Isolated Danger	
	Buoy, Safe Water	
	Buoy, Special Purpose	
	Buoy, General	
	Beacon, Lineal	
	Contour Lines	

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

**ST. HELENS BAR**  
23 December 2024

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\_23\_STH\_20241223\_CS

7,620,000

7,615,000

7,620,000

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