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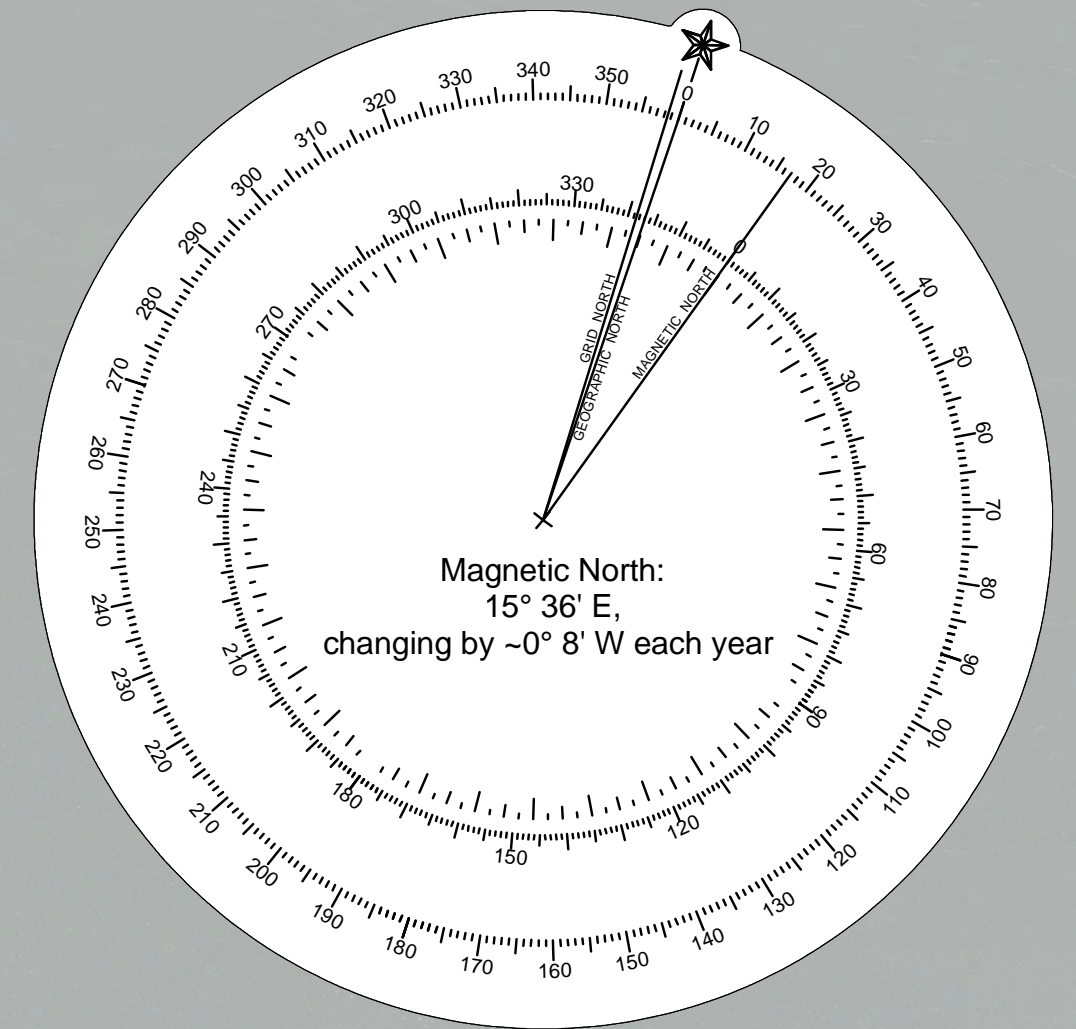
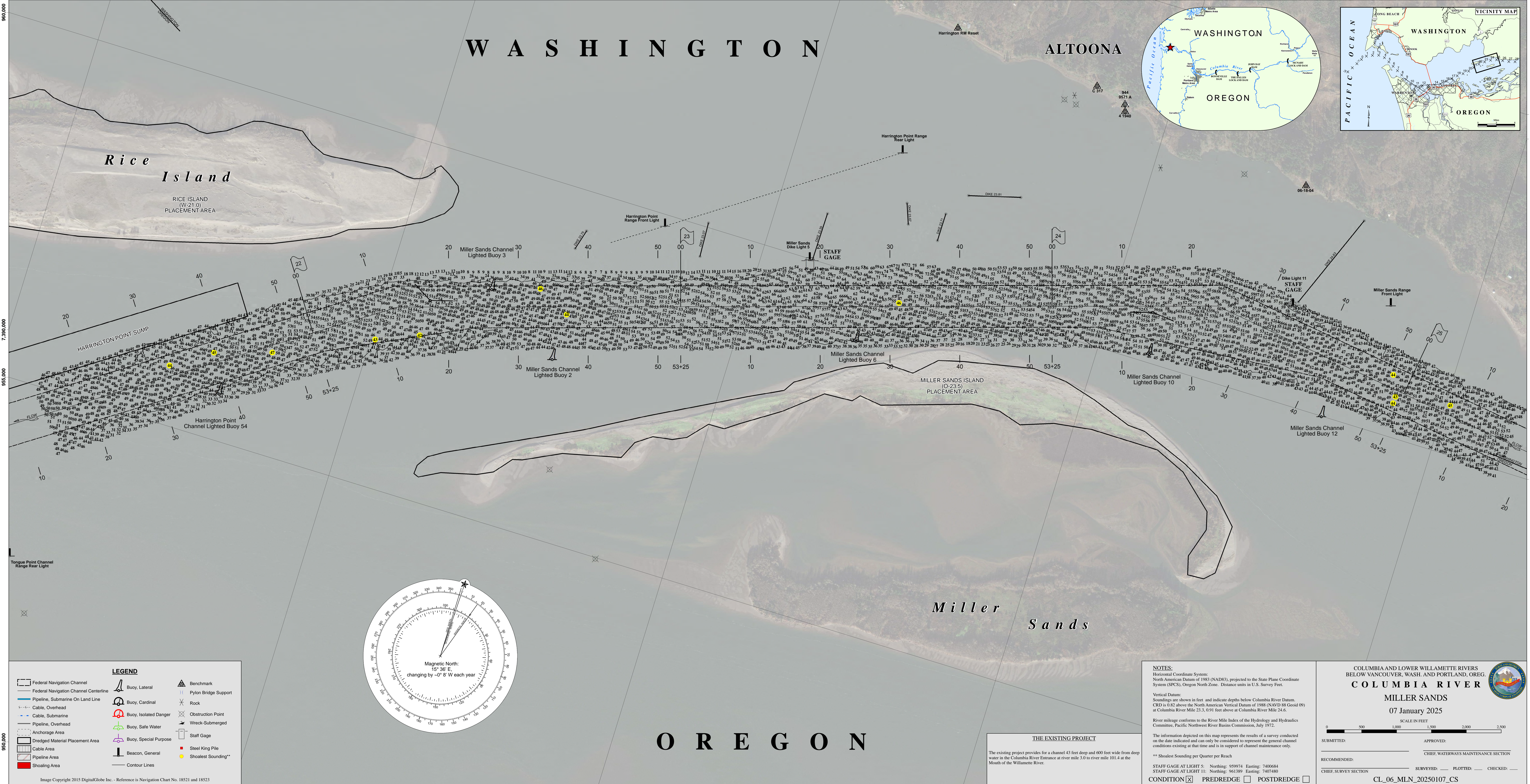
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LEGEND

	Federal Navigation Channel		Buoy, Lateral		Benchmark
	Federal Navigation Channel Centerline		Buoy, Cardinal		Pylon Bridge Support
	Pipeline, Submarine On Land Line		Buoy, Isolated Danger		Obstruction Point
	Cable, Overhead		Buoy, Safe Water		Wreck-Submerged
	Cable, Submarine		Buoy, Special Purpose		Staff Gage
	Pipeline, Overhead		Beacon, General		Steel King Pile
	Anchorage Area		Shoalest Sounding*		
	Dredged Material Placement Area				
	Cable Area				
	Pipeline Area				
	Shoaling Area				

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 Columbia River Datum. CRD is 0.82 above the North American Vertical Datum of 1988 (NAVD 88 Geoid 09) at Columbia River Mile 23.3, 0.91 feet above at Columbia River Mile 24.6.
 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

COLUMBIA AND LOWER WILLAMETTE RIVERS
 BELOW VANCOUVER, WASH. AND PORTLAND, OREG.
COLUMBIA RIVER
MILLER SANDS
 07 January 2025

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: _____

STAFF GAGE AT LIGHT 5: Northing: 959974 Easting: 7400684
 STAFF GAGE AT LIGHT 11: Northing: 961389 Easting: 7407480

CONDITION PREDREDGE POSTREDREDGE

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