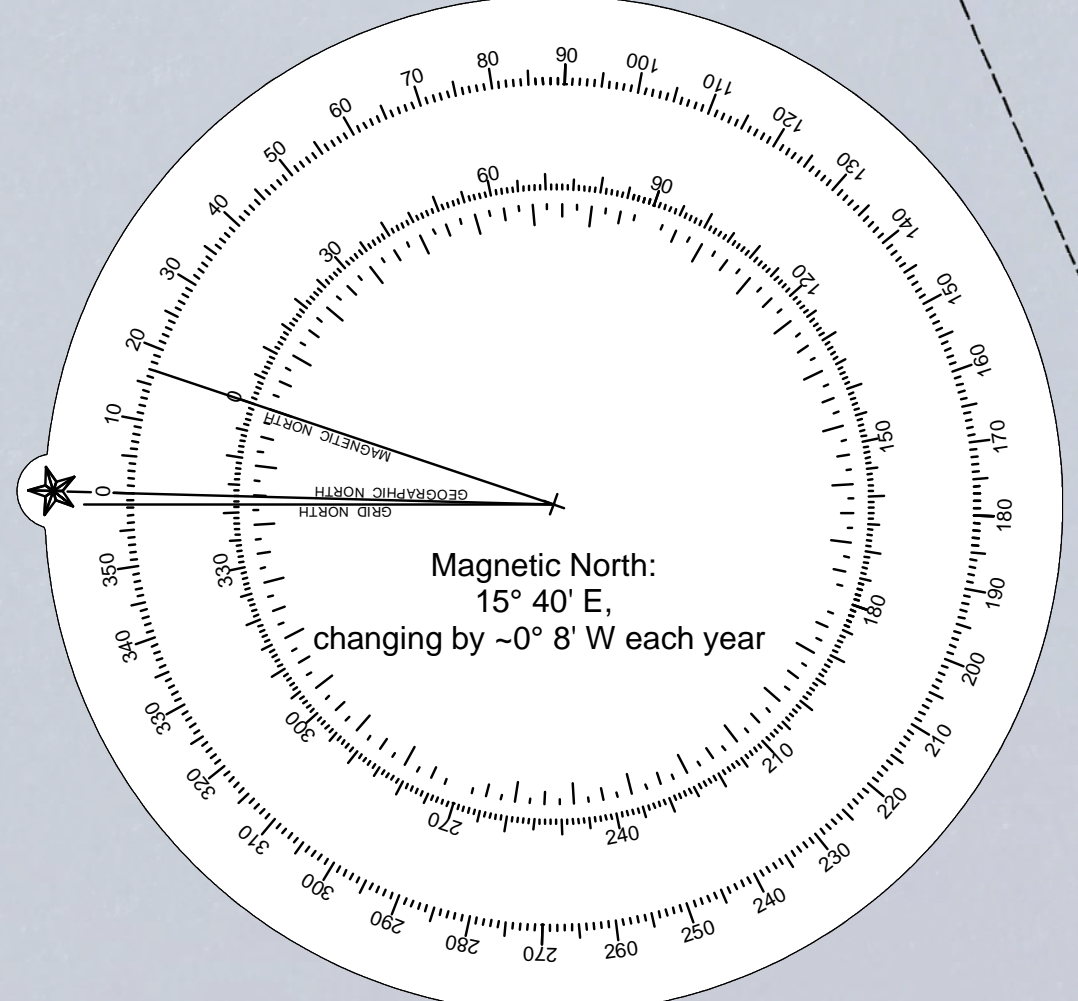
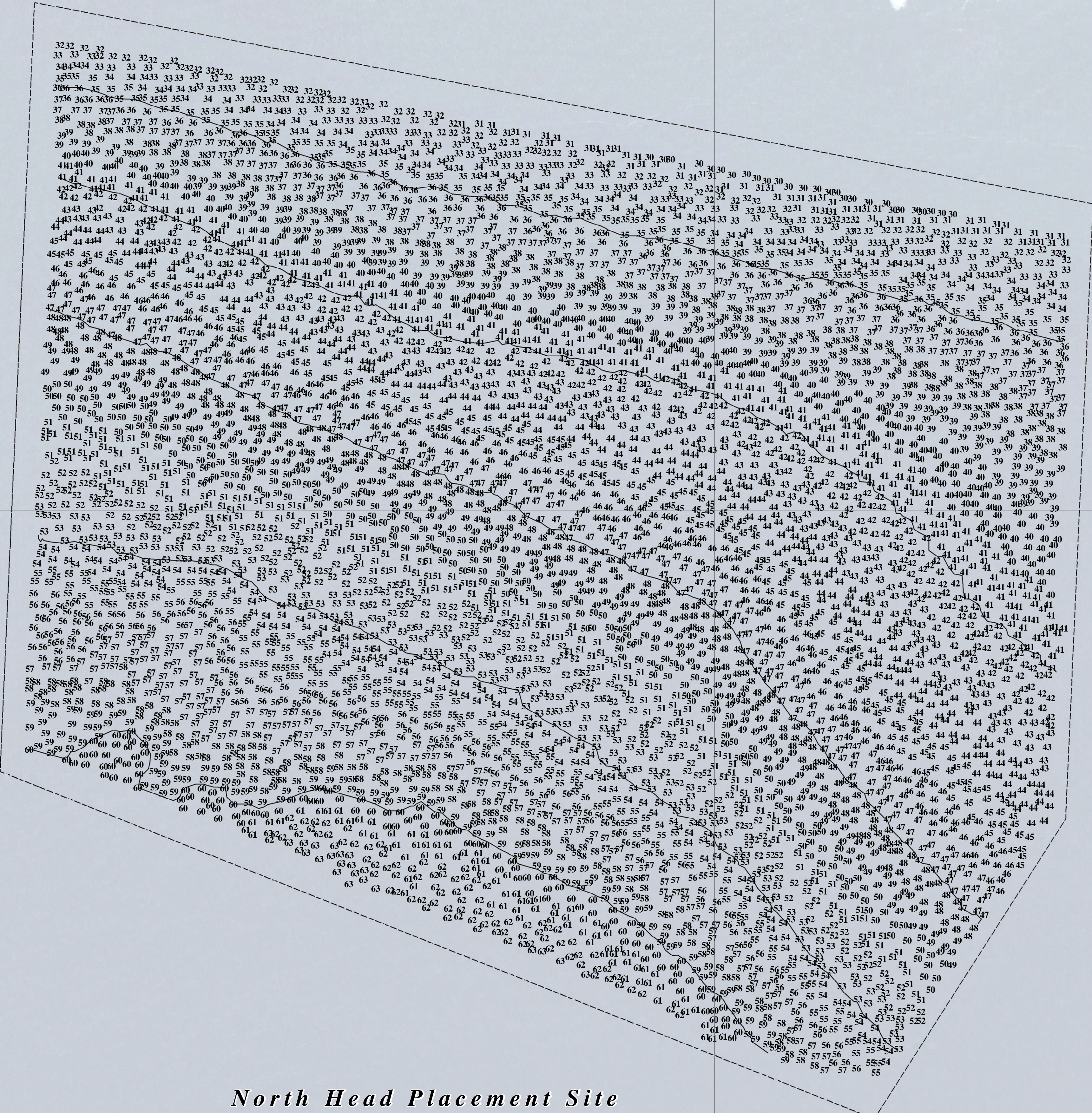
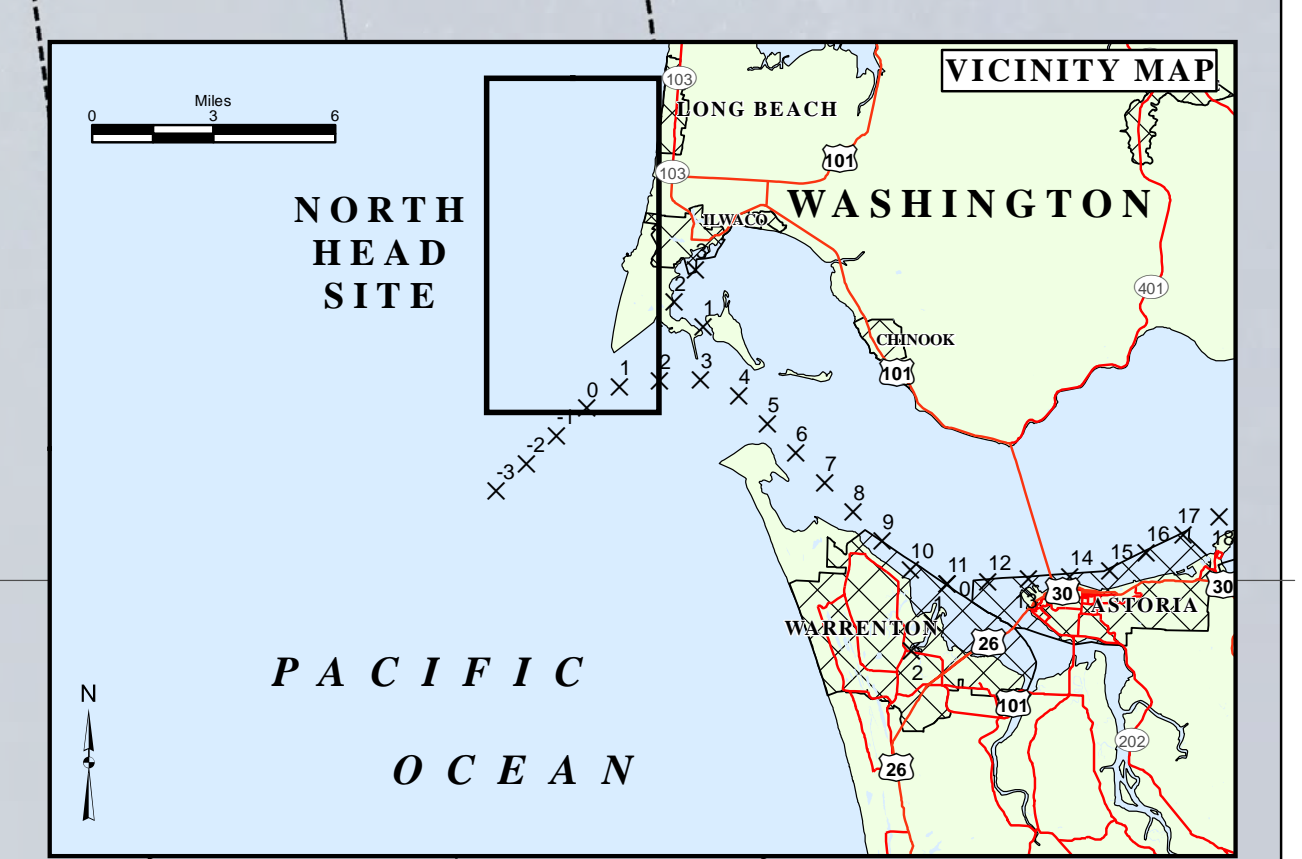


WASHINGTON

PACIFIC OCEAN



LEGEND

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

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North Head Placement Site

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. MLWL is 0.26 feet below the North American Vertical Datum (NAVD 88 Gage 09) at Columbia River Mile 2.0.
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 not 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
MCR-NORTH HEAD DISPOSAL SITE

17 April 2024

SCALE IN FEET
0 1,000 2,000 3,000 4,000 5,000

SUBMITTED: _____ APPROVED: _____
RECOMMENDED: _____ CHIEF, WATERWAYS MAINTENANCE SECTION
CHIEF, SURVEY SECTION _____ SURVEYED: _____ CHECKED: _____

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CONDITION PREDREDGE POSTDREDGE