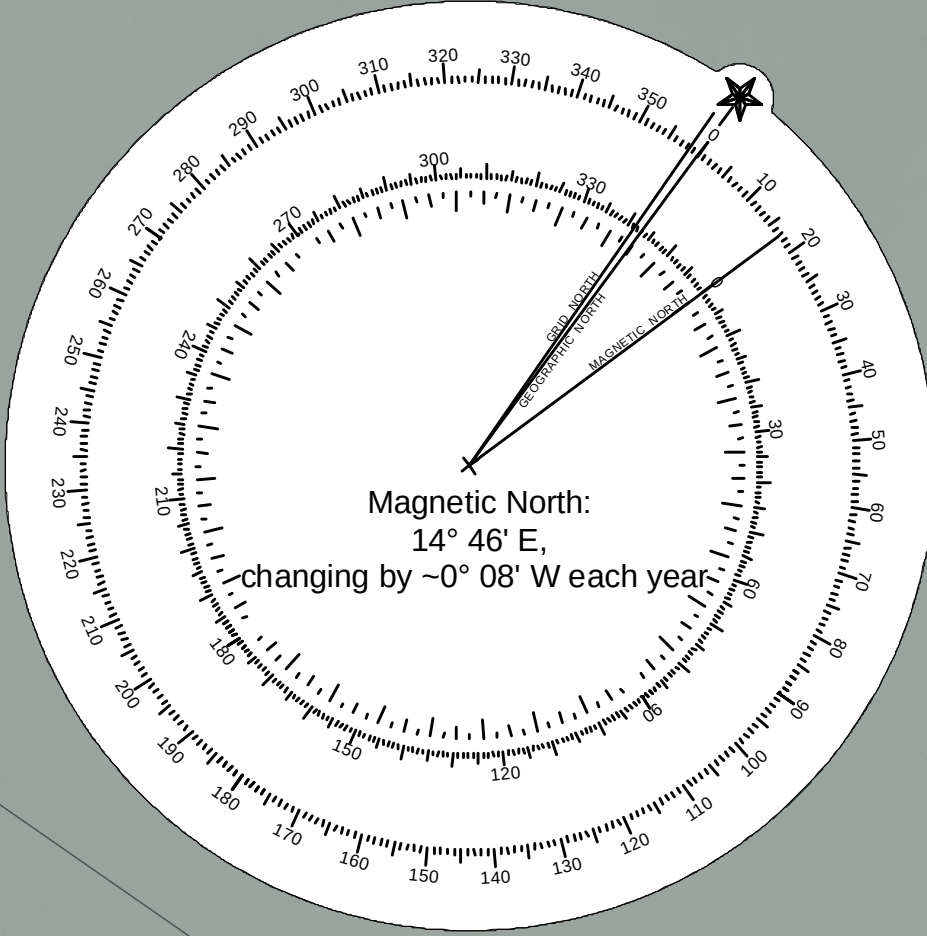




NOTES:
Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Soundings and elevations are shown in feet and are referred to a datum plane which is 260.2 feet (Minimum Pool Elevation) above North American Vertical Datum of 1988 (NAVD 88).

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

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

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COLUMBIA RIVER BETWEEN THE DALLES DAM AND MCNARY DAM
COLUMBIA RIVER
MESSNER MIDDLE RANGE
17 May 2017
SCALE IN FEET
0 500 1,000 1,500 2,000 2,500

SUBMITTED:	APPROVED:
RECOMMENDED:	CHIEF, WATERWAY'S MAINTENANCE SECTION
CHIEF, SURVEY SECTION	SURVEYED: _____ PLOTTED: _____ CHECKED: _____
CL_74_MMR_20170517_CS_POOL	