

REPORT OF NAVIGATION CHANNELS

EP 1130-2-520

COLUMBIA RIVER - OREGON & WASHINGTON

MOUTH THROUGH PILLAR ROCK LOWER RANGE mile 25.2

Minimum depths in each 1/4 width of channel entering from seaward

Mid-Channel

Authorized Project NAME OF CHART Name of Channel (Mileage)	Date of Survey	Feet Width	Miles Length	Project Depth	Left Outside Quarter Feet	Left Inside Quarter Feet	Right Inside Quarter Feet	Right Outside Quarter Feet
MOUTH OF COLUMBIA RIVER	21-Sep-21							
Entrance Range **see note below (-2.5 - 0.8)		2000	3.3	55	59	59	57	**
		640	3.3	48	**	**	**	50
Sand Island Range **see note below (0.8 - 3.0)		2000	2.2	55	49	52	53	**
		640	2.2	48	**	**	**	47
LOWER DESDEMONA SANDS	7-Sep-21							
Lower Desdemona Sands (3.0 - 6.4)		600	3.4	43	48	50	52	53
UPPER DESDEMONA SANDS	1-Sep-21							
Upper Desdemona Sands (6.4 - 10.0)		600	3.6	43	43	43	43	42
FLAVEL BAR	20-Sep-21							
Tansy Point Turn & Range (10.0 -13.6)		600	3.6	43	41	44	45	37
UPPER SANDS	18-Aug-21							
Tansy Point Turn & Range (13.6 - 14.8)		600	1.2	43	41	44	44	43
Astoria Range (14.8 - 17.5)		600	2.7	43	42	43	44	43
TONGUE POINT CROSSING	16-Sep-21							
Tongue Point Channel (17.5 - 19.7)		600	2.2	43	40	43	44	43
Harrington Point Range (19.7 - 21.4)		600	1.7	43	42	46	45	44
MILLER SANDS	15-Sep-21							
Harrington Point Range (21.4 - 22.3)		600	0.9	43	44	45	47	42
Miller Sands Range (22.3 - 24.5)		600	2.2	43	40	46	43	41
Pillar Rock Lower Range (24.5 - 25.2)		600	0.7	43	46	46	45	45

ENG Form 4020-R (Nov 1990)

Reference is Navigation Chart No. 18521.

Note: Controlling Depths in Channels Entering from Seaward in feet at Mean Lower Low Water from the Entrance to Harrington Point and Columbia River Datum above that point. ** Channel is 2640 feet wide with Right Outside Quarter (640 feet) maintained at only 48 feet depth.

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF

24-Sep-21

Controlling Depths in Feet at MEAN LOWER LOW WATER (MLLW) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	Left Outside Quarter	Left Inside Quarter	Right Inside Quarter	Right Outside Quarter	Date of Survey	Width (Feet)	Length STAT (Miles)	Depth (Feet)
Entrance Range **	59	59	57	**	21-Sep-21	2000	3.3	55
	**	**	**	50	21-Sep-21	640	3.3	48
Sand Island Range **	49	52	53	**	21-Sep-21	2000	2.2	55
	**	**	**	47	21-Sep-21	640	2.2	48
Lower Desdemona Sands	48	50	52	53	7-Sep-21	600	3.4	43
Upper Desdemona Sands	43	43	43	42	1-Sep-21	600	3.6	43
Tansy Point Turn & Range	41	44	44	37	20-Sep-21	600	4.8	43
Astoria Range	42	43	44	43	18-Aug-21	600	2.7	43
Tongue Point Channel	40	43	44	43	16-Sep-21	600	2.2	43
Harrington Point Range	42	45	45	42	16-Sep-21	600	2.6	43
Miller Sands Range * (CRD)	40	46	43	41	15-Sep-21	600	2.2	43

* Controlling Depths in Channels Entering from Seaward in feet at Mean Lower Low Water from the Entrance to Harrington Point and Columbia River Datum (CRD) above that point.
For Controlling Depth Information, consult the Local Notice to Mariners and/or the following Portland District US Army Corps of Engineers website: <http://www.nwp.usace.army.mil/Missions/Navigation.aspx> Channel status reports
** Channel width is 2640 feet with two controlling depths, northern width is 2000 feet and southern width is 640 feet

Reduce size to 80% of current size to print out to a size that matches tab boxes currently on NOAA charts.