

24-Sep-21

REPORT OF NAVIGATION CHANNELS

EP 1130-2-520

**COLUMBIA RIVER - OREGON & WASHINGTON**  
ST HELENS RANGE THROUGH WILLOW LOWER RANGE

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

Authorized Project NAME OF CHART Name of Channel (Mileage)	Date of Survey	Feet Width	Miles Length	Project Depth	Mid-Channel			
					Left Outside Quarter Feet	Left Inside Quarter Feet	Right Inside Quarter Feet	Right Outside Quarter Feet
<b>ST. HELENS BAR</b> St. Helens Range (83.8 - 85.8)	<b>14-Sep-21</b>							
		600	2.0	43	43	45	44	42
St. Helens Turn (85.8 - 87.2)		600	1.4	43	47	45	46	43
<b>WARRIOR ROCK BAR</b> St. Helens Turn (87.2 - 87.5)	<b>13-Sep-21</b>							
		600	0.3	43	50	52	53	50
Warrior Rock Range (87.5 - 88.8)		600	1.3	43	44	44	45	43
Duck Club Turn (88.8 - 90.2)		600	1.4	43	41	45	45	45
<b>HENRICI BAR</b> Henrici Range (90.2 - 92.8)	<b>2-Sep-21</b>							
		600	2.6	43	43	44	44	43
Fales Channel (92.8 - 93.9)		600	1.1	43	45	45	45	44
<b>WILLOW BAR</b> Knapp Point Channel (93.9 - 95.7)	<b>16-Sep-21</b>							
		600	1.8	43	44	45	45	43
Willow Lower Range (95.7 - 97.8)		600	2.1	43	44	45	45	44

ENG Form 4020-R (Nov 1990)  
Reference is Navigation Chart No. 18524.  
Note: All Depths at Columbia River Datum.

The information shown on this channel statement represents the results of the surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

COLUMBIA RIVER CHANNEL DEPTHS SAINT HELENS TURN TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF 24-Sep-21								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * 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)
St. Helens Turn	47	45	46	43	14-Sep-21	600	1.7	43
Warrior Rock Range	44	44	45	43	13-Sep-21	600	1.3	43
Duck Club Turn	41	45	45	45	13-Sep-21	600	1.4	43
Henrici Range	43	44	44	43	2-Sep-21	600	2.6	43
Fales Channel	45	45	45	44	2-Sep-21	600	1.1	43
Knapp Point Channel	44	45	45	43	16-Sep-21	600	1.8	43
Willow Lower Range	44	45	45	44	16-Sep-21	600	2.1	43
Willow Upper Range	40	44	46	46	2-Aug-21	600	1.1	43
Morgan Bar	44	45	50	49	2-Aug-21	600	1.0	43
Morgan Channel	47	48	48	45	2-Aug-21	600	1.5	43
Vancouver Lower Channel	46	49	49	42	20-Sep-21	500	1.0	43
Vancouver Range	45	45	45	42	20-Sep-21	500	1.3	43
Vancouver Upper Channel	46	45	45	43	20-Sep-21	500	0.9	43
Vancouver Lower Turning Basin	45	39	40	39	23-Aug-21	800	1.0	43
Vancouver Upper Turning Basin	34	24	24	19	23-Aug-21	800	0.9	35
	Mid Channel for Half Project Width							
		L Outside	Mid Channel	R Outside				
Tomahawk Bar		17	18	18	24-Aug-21	300	3.7	27

\* 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*

Reduce size to **82%** of current size to print out to a size that matches tab boxes currently on NOAA charts.