

24-Sep-21

**REPORT OF NAVIGATION CHANNELS**

EP 1130-2-520

**COLUMBIA RIVER - OREGON & WASHINGTON**  
 COTTONWOOD ISLAND LOWER RANGE THROUGH  
 COLUMBIA CITY CHANNEL

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>LOWER DOBELBOWER BAR</b>	<b>1-Sep-21</b>							
Cottonwood Island Lower Range (67.1 - 68.8)		600	1.7	43	46	47	45	44
Cottonwood Island Turn (68.8 - 69.9)		600	1.1	43	48	46	45	43
<b>UPPER DOBELBOWER BAR</b>	<b>1-Sep-21</b>							
Cottonwood Island Turn (69.9 - 71.5)		600	1.6	43	47	45	44	42
Cottonwood Island Upper Range (71.5 - 72.8)		600	1.3	43	44	44	45	44
<b>KALAMA BAR</b>	<b>30-Aug-21</b>							
Cottonwood Island Upper Range (72.8 - 73.1)		600	0.3	43	46	57	58	55
Kalama Lower Range (73.1 - 74.9)		600	1.8	43	44	45	46	41
Kalama Upper Range (74.9 - 76.5)		600	1.6	43	43	44	44	43
<b>LOWER MARTIN BAR</b>	<b>30-Aug-21</b>							
Kalama Upper Range (76.5 - 77.1)		600	0.6	43	44	45	44	44
Bybee Ledge Channel (77.1 - 79.2)		600	2.1	43	45	45	46	42
Martin Island Channel (79.2 - 80.3)		600	1.1	43	46	46	45	42
<b>UPPER MARTIN BAR</b>	<b>21-Sep-21</b>							
Martin Island Channel (80.3 - 81.2)		600	0.9	43	47	46	44	43
Martin Island Range (81.2 - 82.6)		600	1.4	43	43	45	44	43
Columbia City Channel (82.6 - 83.8)		600	1.2	43	43	45	45	42

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

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