

## REPORT OF NAVIGATION CHANNELS

ER 1130-2-306

**COLUMBIA RIVER - OREGON & WASHINGTON**

ST HELENS RANGE THROUGH WILLOW LOWER RANGE

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

Mid-Channel

<b>Authorized Project</b> 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
<b>ST. HELENS BAR</b>	<b>23-Oct-08</b>							
St. Helens Range (83.8 - 85.8)		600	2.0	40	42	41	42	38
St. Helens Turn (85.8 - 87.2)		600	1.4	40	45	45	44	39
<b>WARRIOR ROCK BAR</b>	<b>22-Oct-08</b>							
St. Helens Turn (87.2 - 87.5)		600	0.3	40	49	49	45	45
Warrior Rock Range (87.5 - 88.8)		600	1.3	40	40	41	40	41
Duck Club Turn (88.8 - 90.2)		600	1.4	40	44	46	46	41
<b>HENRICI BAR</b>	<b>03-Nov-08</b>							
Henrici Range (90.2 - 92.8)		600	2.6	40	42	44	43	43
Fales Channel (92.8 - 93.9)		600	1.1	40	49	43	43	42
<b>WILLOW BAR</b>	<b>29-Oct-08</b>							
Knapp Point Channel (93.9 - 95.7)		600	1.8	40	44	43	42	42
Willow Lower Range (95.7 - 97.8)		600	2.1	40	41	42	42	41

ENG Form 4020-R (Nov 1990)

Reference is Navigation Chart No. 18524.

Note: All Depths at Columbia River Datum.

COLUMBIA RIVER CHANNEL DEPTHS SAINT HELENS TURN TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF 03-Dec-08								
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	45	45	44	39	23-Oct-08	600	1.7	40
Warrior Rock Range	40	41	40	41	22-Oct-08	600	1.3	40
Duck Club Turn	44	46	46	41	22-Oct-08	600	1.4	40
Henrici Range	42	44	43	43	03-Nov-08	600	2.6	40
Fales Channel	49	43	43	42	03-Nov-08	600	1.1	40
Knapp Point Channel	44	43	42	42	29-Oct-08	600	1.8	40
Willow Lower Range	41	42	42	41	29-Oct-08	600	2.1	40
Willow Upper Range	40	43	43	44	29-Oct-08	600	1.1	40
Morgan Bar	42	48	49	49	29-Oct-08	600	1.0	40
Morgan Channel	44	45	45	41	29-Oct-08	600	1.5	40
Vancouver Lower Channel	47	48	53	49	29-Oct-08	500	1.0	40
Vancouver Range	46	46	43	42	29-Oct-08	500	1.3	40
Vancouver Upper Channel	42	46	41	39	29-Oct-08	500	0.9	40
Vancouver Lower Turning Basin	33	39	46	46	28-Oct-08	800	1.0	40
Vancouver Upper Turning Basin	31	26	26	29	28-Oct-08	800	0.9	35
Tomahawk Bar	Mid Channel for Half Project Width				24-Apr-08	300	3.7	27
		L Outside	Mid Channel	R Outside				
		18	18	19				

\*For Controlling Depth Information, consult the Local Notice to Mariners and/or the following Portland District US Army Corps of Engineers website: <https://www.nwp.usace.army.mil/op/n/chpubs.htm#pubs-status-reports>  
(Please note: Netscape Navigator users - use version 7.0 or later.)

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