

REPORT OF NAVIGATION CHANNELS

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

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
LOWER DOBELBOWER BAR	09-Dec-08							
Cottonwood Island Lower Range (67.1 - 68.8)		600	1.7	40	46	48	45	43
Cottonwood Island Turn (68.8 - 69.9)		600	1.1	40	46	47	46	42
UPPER DOBELBOWER BAR	09-Dec-08							
Cottonwood Island Turn (69.9 - 71.5)		600	1.6	40	47	47	45	45
Cottonwood Island Upper Range (71.5 - 72.8)		600	1.3	40	44	46	46	47
KALAMA BAR	09-Dec-08							
Cottonwood Island Upper Range (72.8 - 73.1)		600	0.3	40	47	54	57	57
Kalama Lower Range (73.1 - 74.9)		600	1.8	40	44	46	46	35
Kalama Upper Range (74.9 - 76.5)		600	1.6	40	43	44	44	43
LOWER MARTIN BAR	08-Dec-08							
Kalama Upper Range (76.5 - 77.1)		600	0.6	40	43	43	45	45
Bybee Ledge Channel (77.1 - 79.2)		600	2.1	40	43	44	43	43
Martin Island Channel (79.2 - 80.3)		600	1.1	40	45	46	46	44
UPPER MARTIN BAR	04-Dec-08							
Martin Island Channel (80.3 - 81.2)		600	0.9	40	49	48	46	43
Martin Island Range (81.2 - 82.6)		600	1.4	40	41	45	46	42
Columbia City Channel (82.6 - 83.8)		600	1.2	40	43	44	44	41

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