Chart 11512 NM 10/02

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.0	42.0	43.0	43.0	12-01	600	3.3	44
BLOODY POINT RANGE	43.0	42.0	42.5	42.5	12-01	600	3.0	44
JONES ISLAND RANGE	44.0	43.0	43.0	44.0	12-01	600	1.2	44
TYBEE KNOLL CUT RANGE	42.0	43.0	43.5	44.0	12-01	500	2.5	42
NEW CHANNEL RANGE (A)	38.0	42.0	43.0	40.0	12-01	500	1.6	42
L. I. CROSSING RANGE	42.5	44.0	45.0	42.0	12-01	500	2.6	42
LOWER FLATS RANGE	43.0	47.0	46.5	43.0	12-01	500	1.3	42
UPPER FLATS RANGE	46.0	46.0	46.0	43.0	12-01	500	1.2	42
THE BIGHT CHANNEL	43.0	46.0	48.0	47.0	12-01	500	1.5	42
FT. JACKSON RANGE	46.0	47.0	48.0	42.5	12-01	500	0.7	42
OGLETHORPE RANGE	43.0	46.0	45.0	45.0	12-01	500	1.2	42
WRECKS CHANNEL (B)	42.0	48.0	47.0	46.0	12-01	500	1.5	42
CITY FRONT CHANNEL	43.0	44.5	45.0	41.0	12-01	500	1.5	42
MARSH ISLAND CHANNEL (C)	43.5	45.0	45.0	43.0	12-01	500	1.7	42
KINGS ISLAND CHANNEL (D)	39.0	39.0	39.5	39.0	12-01	500	2.1	42
WHITEHALL CHANNEL (E)	30.5	34.0	36.5	38.0	12-01	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	32.0	30.5	32.0	12-94; 12-01	200	1.2	30

A. OYSTER BED I.TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 41.5 FT 100 FT FROM BACKSIDE.
B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT, 31.0 FT 100 FT FROM BACKSIDE.
C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT, 29.0 FT 100 FT FROM BACKSIDE.
D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 45.0 FT, 44.0 FT 100 FT FROM BACKSIDE.
E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 39.5 FT 100 FT FROM BACKSIDE.
F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 31.0 FT, 28.5 FT 100 FT FROM BACKSIDE.

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.

NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18521 NM 10/02

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2001

* 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 * (MILES)	DEPTH * (FEET)
ENTRANCE RANGE	55	55	50	44	7,8-01	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	51	52	52	47	7,8-01	2640	2.2	48
LOWER DESDEMONA SHOAL	45	45	38	30	1,5-01	600	3.4	40
UPPER DESDEMONA SHOAL	39	44	45	45	8-01	600	3.7	40
TANSY POINT TURN AND RANGE	40	40	40	37	8-01	600	4.7	40
ASTORIA RANGE	41	41	41	40	8-01	600	2.7	40
TONGUE POINT CHANNEL	41	41	41	41	8-01	600	2.2	40
HARRINGTON POINT RANGE	40	40	38	40	8-01	600	2.6	40
MILLER SANDS RANGE	45	43	42	41	12-01	600	2.2	40

* 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. PROJECT LENGTHS ARE IN STATUTE MILES.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18523 NM 10/02

COLUMBIA RIVER CHANNEL DEPTHS
MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD)						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 CRD (FEET)
MILLER SANDS RANGE	45	43	42	41	12-01	600	2.2	40
PILLAR ROCK LOWER RANGE	39	41	41	42	11-01	600	3.0	40
PILLAR ROCK UPPER RANGE	40	44	43	41	10, 11-01	600	1.9	40
WELCH ISLAND REACH	40	43	40	44	10-01	600	3.2	40
SKAMOKAWA CHANNEL	38	42	42	40	11-01	600	3.3	40
STEAMBOAT REACH	49	47	45	42	10, 11-01	600	1.4	40
PUGET ISLAND RANGE AND TURN	43	43	42	41	11-01	600	3.5	40
WAUNA RANGE	41	41	42	43	11-01	600	2.2	40
DRISCOLL RANGE	41	40	42	42	11-01	600	1.7	40
WESTPORT TURN AND RANGE	41	42	42	41	11-01	600	2.0	40
WESTPORT CHANNEL	40	42	41	40	11-01	600	2.4	40
EUREKA LOWER CHANNEL	47	44	44	43	11-01	600	2.1	40
EUREKA UPPER CHANNEL	44	45	43	43	11-01	600	0.8	40
OAK POINT CHANNEL	48	47	48	47	11-01	600	2.4	40
GULL I TURN AND CHANNEL	44	48	42	48	11-01	600	2.2	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18524 NM 10/02

COLUMBIA RIVER CHANNEL DEPTHS
GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD)						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 CRD (FEET)
GULL I TURN AND CHANNEL	44	48	42	48	11-01	600	2.2	40
STELLA RANGE	39	41	42	38	10-01	600	2.8	40
FISHER I CHANNEL	40	44	41	42	10-01	600	0.9	40
WALKER I CHANNEL	40	43	43	41	10-01	600	1.5	40
BARLOW PT. CHANNEL	45	46	46	42	10-01	600	1.3	40
SLAUGHTERS CHANNEL	42	45	42	40	9,10-01	600	2.5	40
SLAUGHTERS TURN AND CHANNEL OPPOSITE THE TURNING BASIN	40	41	40	41	9-01	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	38	41	42	40	10-01	600	1.7	40
COTTONWOOD ISLAND TURN	42	43	42	41	10-01	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE AND TURN	42	45	45	43	10-01	600	1.6	40
KALAMA LOWER RANGE	43	41	44	39	10-01	600	1.8	40
KALAMA UPPER RANGE	40	40	40	40	10-01	600	2.2	40
BYBEE LEDGE CHANNEL	38	41	43	42	10-01	600	2.1	40
MARTIN ISLAND CHANNEL	41	42	41	40	9,10-01	600	2.1	40
MARTIN ISLAND RANGE	43	44	45	41	9-01	600	1.4	40
COLUMBIA CITY CHANNEL	41	43	44	43	9-01	600	1.2	40
ST. HELENS RANGE	41	42	41	41	9-01	600	2.0	40
ST. HELENS TURN	45	45	44	39	9-01	600	1.7	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION