Chart 24320 NM 18/00

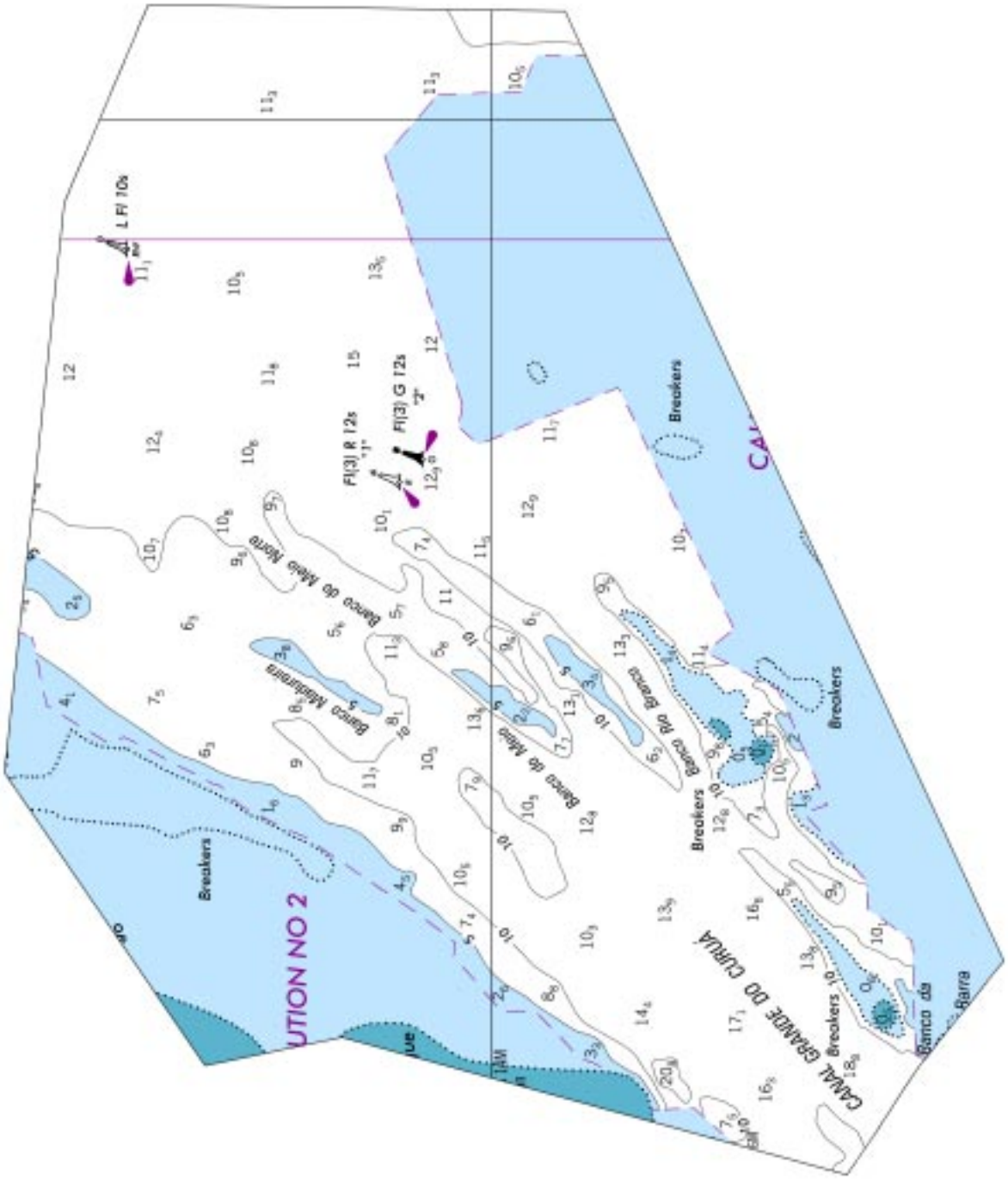

CHART 62396 NM 18/00

DATUM NOTE

Positions referred to the World Geodetic System 1984 (WGS-84) must be moved .02' southward and .05' eastward to agree with this chart.

CHART 63092 NM 18/00

CAUTION

The channels and depths shown on this chart are subject to frequent change. Mariners are strongly advised not to navigate in the vicinity without local knowledge or assistance.

CHART 11512 NM 18/00

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2000

	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	44.0	44.5	44.5	43.0	2-00	600	3.3	44
BLOODY POINT RANGE	43.0	43.0	43.0	42.5	2-00	600	3.0	44
JONES ISLAND RANGE	45.0	44.5	44.0	44.5	2-00	600	1.2	44
TYBEE KNOLL CUT RANGE	43.0	44.0	43.5	42.0	2-00	500	2.5	42
NEW CHANNEL RANGE (A)	43.5	43.5	41.5	43.5	2-00	500	1.6	42
L. I. CROSSING RANGE	43.5	44.5	44.0	44.0	2-00	500	2.6	42
LOWER FLATS RANGE	44.0	46.5	46.0	46.0	2-00	500	1.3	42
UPPER FLATS RANGE	45.0	46.5	46.0	46.0	2-00	500	1.2	42
THE BIGHT CHANNEL	45.5	47.0	46.0	46.5	2-00	500	1.5	42
FT. JACKSON RANGE	45.5	46.0	46.5	41.5	2-00	500	0.7	42
OGLETHORPE RANGE	41.0	44.0	44.0	45.0	2-00	500	1.2	42
WRECKS CHANNEL (B)	43.0	47.0	47.0	43.0	2-00	500	1.5	42
CITY FRONT CHANNEL	44.0	44.5	44.0	42.0	2-00	500	1.5	42
MARSH ISLAND CHANNEL (C)	43.0	44.5	44.0	41.0	2-00	500	1.7	42
KINGS ISLAND CHANNEL (D)	39.5	43.0	42.0	42.0	2-00	500	2.1	42
WHITEHALL CHANNEL (E)	31.0	31.5	35.0	37.0	2-00	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	33.5	32.5	32.0	12-94; 2-00	200	1.2	30

A. OYSTER BED (TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 40.0 FT 100 FT FROM BACKSIDE.
B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 38.5 FT, 31.0 FT 100 FT FROM BACKSIDE.
C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 37.5 FT, 28.5 FT 100 FT FROM BACKSIDE.
D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 51.0 FT, 50.0 FT 100 FT FROM BACKSIDE.
E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT 100 FT FROM BACKSIDE.
F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 33.5 FT, 31.0 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 11514 (SIDE A) NM 18/00

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2000

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)
OGLETHORPE RANGE	41.0	44.0	44.0	45.0	2-00	500	1.2	42
WRECKS CHANNEL (A)	43.0	47.0	47.0	43.0	2-00	500	1.5	42
CITY FRONT CHANNEL	44.0	44.5	44.0	42.0	2-00	500	1.5	42
MARSH ISLAND CHANNEL (B)	43.0	44.5	44.0	41.0	2-00	500	1.7	42
KINGS ISLAND CHANNEL (C)	39.5	40.0	42.0	42.0	2-00	500	2.1	42
WHITEHALL CHANNEL (D)	31.0	31.5	35.0	37.0	2-00	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	33.5	32.5	32.0	12-94; 2-00	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 36.5 FT, 31.0 FT 100 FT FROM BACKSIDE.
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 37.5 FT, 28.5 FT 100 FT FROM BACKSIDE.
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 51.0 FT, 50.0 FT 100 FT FROM BACKSIDE.
D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT 100 FT FROM BACKSIDE.
E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 33.5 FT, 31.0 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 18/00

BAKER BAY WEST CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2000

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
DAY BEACON #6 TO FORT CANBY	12	15	14	10,12-99	150	1.3	10
THENCE TO ILWACO	17	12	16	10-99; 1-00	150	0.9	10
MOORING BASIN A B	3	3	3	1990	-	-	-

A. SHOALING TO 2 FEET ON RIGHT HALF, BETWEEN THE BREAKWATERS.
B. BASIN LOCALLY MAINTAINED. NO RECENT SURVEYS AVAILABLE.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 18521 NM 18/00

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2000

* 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	58	57	55	42	10-99	2040	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	54	55	55	46	10-99	2640	2.2	48
LOWER DESDEMONA SHOAL	44	44	45	38	5,12-99; 1-00	800	3.4	40
UPPER DESDEMONA SHOAL	38	42	45	46	12-99; 1-00	800	3.7	40
TANSY POINT TURN AND RANGE	39	40	40	37	11,12-99; 1-00	800	4.7	40
ASTORIA RANGE	40	41	41	39	11-99; 1-00	800	2.7	40
TONGUE POINT CHANNEL	41	41	41	42	11-99; 1-00	800	2.2	40
HARRINGTON POINT RANGE	39	40	40	34	11-99; 1-00	800	2.6	40
MILLER SANDS RANGE	33	43	42	36	11-99; 1-00	800	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 18/00

COLUMBIA RIVER CHANNEL DEPTHS
MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2000

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	33	43	42	38	11-99; 1-00	600	2.2	40
PILLAR ROCK LOWER RANGE	38	39	40	36	11-99; 1-00	600	3.0	40
PILLAR ROCK UPPER RANGE	32	41	41	37	11,12-99; 1-00	600	1.9	40
WELCH ISLAND REACH	39	40	41	28	12-99; 1-00	600	3.2	40
SKAMOKAWA CHANNEL	36	42	39	27	12-99; 1-00	600	3.3	40
STEAMBOAT REACH	49	46	44	42	12-99; 1-00	600	1.4	40
PUGET ISLAND RANGE AND TURN	39	42	42	39	12-99; 1-00	600	3.5	40
WALINA RANGE	38	41	42	42	12-99; 1-00	600	2.2	40
DRISCOLL RANGE	38	41	41	42	12-99; 1-00	600	1.7	40
WESTPORT TURN AND RANGE	39	41	41	42	12-99; 1-00	600	2.0	40
WESTPORT CHANNEL	38	40	40	40	12-99; 1-00	600	2.4	40
EUREKA LOWER CHANNEL	45	45	46	43	12-99; 1-00	600	2.1	40
EUREKA UPPER CHANNEL	43	43	43	41	6,12-99; 1-00	600	0.8	40
OAK POINT CHANNEL	46	46	46	42	8-99; 1-00	600	2.4	40
GULL I TURN AND CHANNEL	39	41	43	38	12-99; 1-00	600	2.2	40

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

CHART 18524 NM 18/00

COLUMBIA RIVER CHANNEL DEPTHS
GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2000

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	39	41	43	38	12-99; 1-00	600	2.2	40
STELLA RANGE	38	41	42	41	12-99; 1-00	600	2.8	40
FISHER I CHANNEL	38	42	44	38	12-99; 1-00	600	0.9	40
WALKER I CHANNEL	41	44	43	40	12-99; 1-00	600	1.5	40
BARLOW PT. CHANNEL	43	44	43	42	12-99; 1-00	600	1.3	40
SLAUGHTERS CHANNEL	41	41	42	41	12-99; 1-00	600	2.5	40
SLAUGHTERS TURN AND CHANNEL OPPOSITE THE TURNING BASIN	38	39	39	38	11, 12-99; 1-00	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	38	38	39	39	12-99; 1-00	600	1.7	40
COTTONWOOD ISLAND TURN	39	40	39	38	12-99; 1-00	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE AND TURN	38	40	41	41	12-99; 1-00	600	1.8	40
KALAMA LOWER RANGE	39	43	39	36	12-99; 1-00	600	1.8	40
KALAMA UPPER RANGE	38	41	39	39	12-99; 1-00	600	2.2	40
BYREE LEDGE CHANNEL	39	43	43	41	12-99; 1-00	600	2.1	40
MARTIN ISLAND CHANNEL	40	40	40	38	12-99; 1-00	600	2.1	40
MARTIN ISLAND RANGE	40	39	40	39	12-99; 1-00	600	1.4	40
COLUMBIA CITY CHANNEL	41	41	40	38	12-99; 1-00	600	1.2	40
ST. HELENS RANGE	39	41	43	42	12-99; 1-00	600	2.0	40
ST. HELENS TURN	46	46	41	40	12-99; 1-00	600	1.7	40

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

CHART 18525 NM 18/00

COLUMBIA RIVER CHANNEL DEPTHS
SAINT HELENS TURN TO TOMAHAWK BAR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2000

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)
ST. HELENS TURN	45	45	41	40	10,12-99; 1-00	600	1.7	40
WARRIOR ROCK RANGE	39	39	40	39	10-99; 1-00	600	1.3	40
DUCK CLUB TURN	35	38	39	42	10-99; 1-00	600	1.4	40
HENRICI RANGE	37	39	39	38	1-00	600	2.8	40
FALES CHANNEL	43	41	39	39	1-00	600	1.1	40
KNAPP POINT CHANNEL	43	40	40	39	1-00	600	1.8	40
WILLOW LOWER RANGE	39	39	39	38	1-00	600	2.1	40
WILLOW UPPER RANGE	41	42	43	43	1-00	600	1.1	40
MORGAN TURN	41	44	45	46	1-00	600	1.0	40
MORGAN CHANNEL	44	46	43	41	1-00	600	1.5	40
VANCOUVER LOWER CHANNEL	48	50	57	47	1-00	500	1.0	40
VANCOUVER RANGE	41	41	41	39	1-00	500	1.3	40
VANCOUVER UPPER CHANNEL	42	42	41	37	1-00	500	0.9	40
VANCOUVER LOWER TURNING BASIN	33	37	37	41	1-00	800	1.0	40
VANCOUVER UPPER TURNING BASIN	31	24	26	25	1-00	800	0.9	35
TOMAHAWK BAR	18	18	19	18	10-99	300	3.7	27

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

CHART 18526 NM 18/00

COLUMBIA RIVER CHANNEL DEPTHS
MORGAN CHANNEL TO TOMAHAWK BAR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2000

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)
MORGAN CHANNEL	44	46	43	41	1-00	600	1.5	40
VANCOUVER LOWER CHANNEL	48	50	57	47	1-00	500	1.0	40
VANCOUVER RANGE	41	41	41	39	1-00	500	1.3	40
VANCOUVER UPPER CHANNEL	42	42	41	37	1-00	500	0.9	40
VANCOUVER LOWER TURNING BASIN	33	37	37	41	1-00	800	1.0	40
VANCOUVER UPPER TURNING BASIN	31	24	26	25	1-00	800	0.9	35
TOMAHAWK BAR	18	18	19	18	10-99	300	3.7	27

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