CHART 11490 NM 10/00

ST. JOHNS RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 1999

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)
ST. JOHNS BAR CUT RANGE, EAST SECTION	39.7	41.4	41.5	37.5	1-97	800	2.1	42
ST. JOHNS BAR CUT RANGE, WEST SECTION	39.6	39.6	39.7	39.2	12-98,1-99	800	1.5	38
PILOT TOWN CUT RANGE	37.4	39.3	39.6	36.0	12-98,3-99	950	1.0	38

NOTES-(1) THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11491 (SIDE A) NM 10/00

ST. JOHNS RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUNE 1999

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)
ST. JOHNS BAR CUT RANGE, EAST SECTION	39.7	41.4	41.5	37.5	1-97	800	2.1	42
ST. JOHNS BAR CUT RANGE, WEST SECTION	39.6	39.7	39.7	39.2	12-98,1-99	800	1.5	38
PILOT TOWN CUT RANGE	37.4	39.3	39.6	36.0	12-98,3-99	950	1.0	38
MAYPORT CUT RANGE	38.2	39.1	39.2	37.5	3-99,5-99	1050	0.7	38
SHERMAN CUT RANGE	39.2	39.1	39.2	36.3	5-99	950-650	0.5	38
MILE POINT LOWER RANGE AND TURN	38.1	37.3	37.2	33.1	5-99,6-99	650	0.9	38
TRAINING WALL REACH	38.4	38.1	39.1	38.5	1-97	650-500	1.1	38
SHORT CUT TURN	36.9	40.3	41.6	40.7	1-97,6-99	600	0.4	38
WHITE SHELLS CUT RANGE	36.5	38.8	38.6	40.7	1-97,6-99	580-1280	0.7	38
ST. JOHNS BLUFF REACH	37.7	38.0	37.6	37.8	6-99	1200-1100	0.6	38
DAMES PT.-FULTON CUTOFF	34.0	37.3	37.4	36.0	1-97,6-99	1280-500	2.7	38
DAMES PT. TURN	37.1	37.5	37.4	27.7	4-96	900-1200	0.4	38
QUARANTINE I. UPPER RANGE	35.1	38.3	38.7	34.3	4-96	1000-550	0.7	38
BRILLS CUT RANGE	34.2	38.6	38.2	33.7	4-96	550-450	0.8	38
BROWARD POINT TURN	18.2	38.4	37.4	37.2	4-96	625-850	1.0	38
BLOUNT ISLAND CHANNEL	22.8	19.5	19.9	23.6	4-96	300-800	1.7	30

NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 12311 NM 10/00

CHRISTINA RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2000 AND SURVEYS TO DEC 1999

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH (FEET)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	33.8	33.8	32.0	12-99	500-340	0.70	38
THENCE TO THE LOBDELL CANAL	32.4	29.7	28.8	12-99	400	0.33	35
TURNING BASIN (OPPOSITE TERMINAL WHARF)	30.4	30.4	30.4	12-99	320	0.34	38

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

CHART 12312 NM 10/00

CHRISTINA RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2000 AND SURVEYS TO DEC 1999

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH (FEET)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	33.8	33.8	32.0	12-99	500-340	0.70	38
THENCE TO THE LOBDELL CANAL	32.4	29.7	28.8	12-99	400	0.33	35
TURNING BASIN (OPPOSITE TERMINAL WHARF)	30.4	30.4	30.4	12-99	320	0.34	38

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

CHART 18523 NM 10/00

COLUMBIA RIVER CHANNEL DEPTHS
MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 1999

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	34	41	41	38	11-99	600	2.2	40
PILLAR ROCK LOWER RANGE	38	39	40	36	11-99	600	3.0	40
PILLAR ROCK UPPER RANGE	32	41	41	37	11,12-99	600	1.9	40
WELCH ISLAND REACH	39	40	43	26	12-99	600	3.2	40
SKAMOKAWA CHANNEL	36	42	39	27	12-99	600	3.3	40
STEAMBOAT REACH	48	47	44	43	12-99	600	1.4	40
PUGET ISLAND RANGE AND TURN	39	42	42	39	12-99	600	3.5	40
WAUNA RANGE	38	41	42	42	12-99	600	2.2	40
DRISCOLL RANGE	38	41	41	42	12-99	600	1.7	40
WESTPORT TURN AND RANGE	39	41	41	42	12-99	600	2.0	40
WESTPORT CHANNEL	38	40	40	40	12-99	600	2.4	40
EUREKA LOWER CHANNEL	45	45	46	43	12-99	600	2.1	40
EUREKA UPPER CHANNEL	43	43	43	41	8,12-99	600	0.8	40
OAK POINT CHANNEL	46	46	46	42	8-99	600	2.4	40
GULL I TURN AND CHANNEL	39	44	42	35	8,11-99	600	2.2	40

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