Chart 24271 NM 25/00

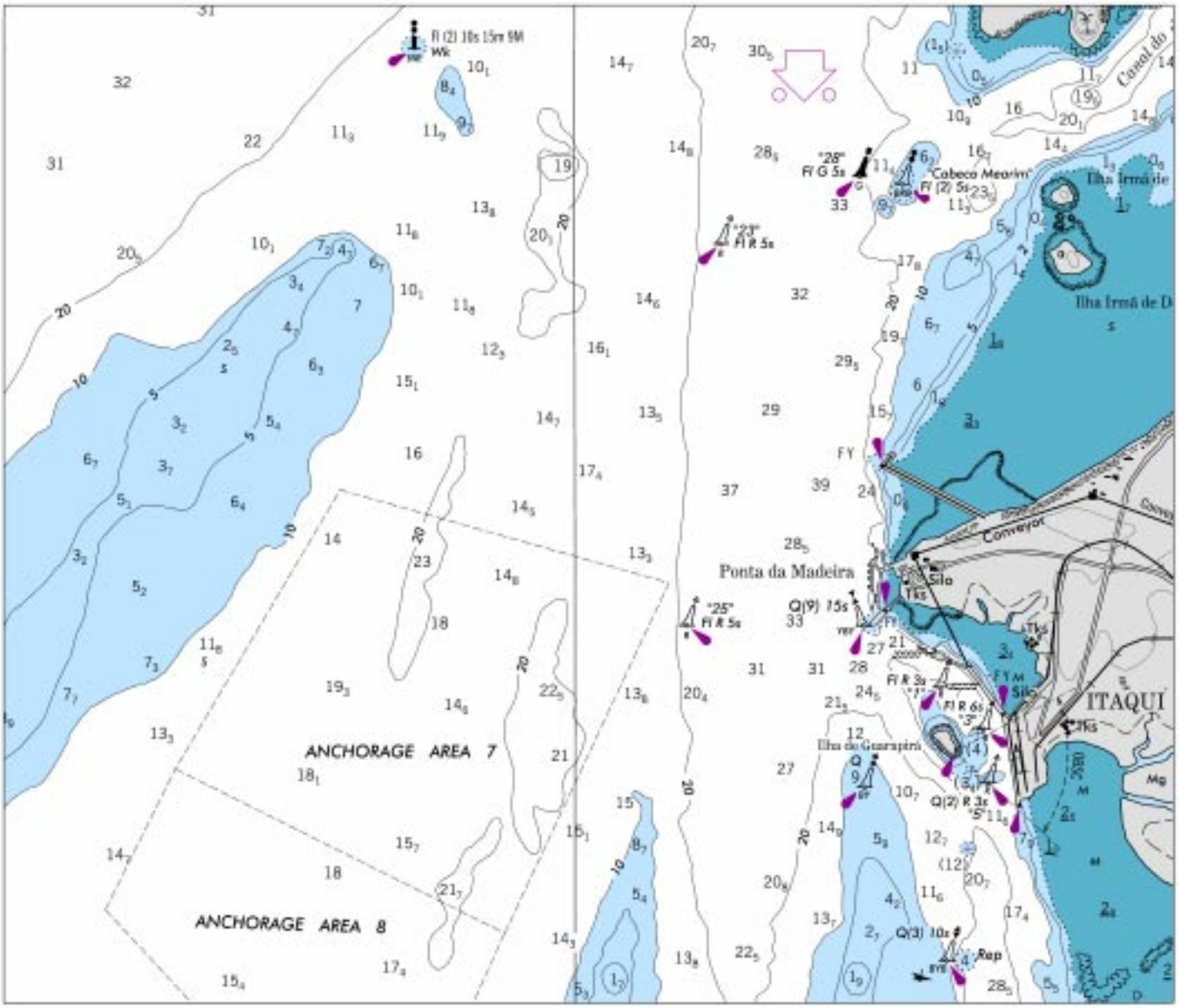

CHART 12278 NM 25/00

CURTIS BAY AND CREEK CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 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)
CURTIS BAY CHANNEL	50.1	49.5	49.5	3-00	400-1275	1.96	50
CURTIS CREEK							
LOWER REACH	33.2	32.7	34.4	2-00	200	0.54	35
MIDDLE REACH	19.7	20.7	18.3	8-99	200-380	1.09	22
UPPER REACH	16.4	17.0	14.1	8-99	200-100	0.55	22

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

CHART 12311 NM 25/00

CHRISTINA RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2000 AND SURVEYS TO APR 2000

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	30.7	31.3	30.7	3-00	500-340	0.70	35
THENCE TO THE LOBDELL CANAL	31.9	29.2	27.4	4-00	400	0.33	35
TURNING BASIN (OPPOSITE TERMINAL WHARF)	28.1	28.1	28.1	3-00	320	0.34	35

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

CHART 12312 NM 25/00

CHRISTINA RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2000 AND SURVEYS TO APR 2000

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	30.7	31.3	30.7	3-00	500-340	0.70	35
THENCE TO THE LOBDELL CANAL	31.9	29.2	27.4	4-00	400	0.33	35
TURNING BASIN (OPPOSITE TERMINAL WHARF)	28.1	28.1	28.1	3-00	320	0.34	35

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

CHART 14832 NM 25/00

BUFFALO HARBOR CHANNEL DEPTHS

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

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
BUFFALO HARBOR:								
SOUTH ENTRANCE INNER CHANNEL	25.7	27.5	25.9	23.2	10,12-99	400-1200	.37	29
OUTER HARBOR SOUTHERN CHANNEL	14.9	25.1	24.8	23.9	10,12-99	1130-1425	.76	28
OUTER HARBOR TURNING BASIN	18.8	19.5	20.0	19.9	1,10,12-99	900	.80	23
OUTER HARBOR MIDDLE CHANNEL	20.9	23.5	23.8	21.0	1,10,12-99	500-1600	2.12	27
OUTER HARBOR NORTHERN CHANNEL	18.3	21.6	22.1	20.7	1,10,12-99	1175-1350	.91	23
BUFFALO RIVER ENTRANCE CHANNEL	A12.7	16.4	14.4	14.2	6-99	220-1625	.98	23
BLACK ROCK CANAL:								
ENTRANCE CHANNEL	19.1	21.1	18.8	B15.7	4,10-99	450-1000	.80	21
BLACK ROCK CANAL TO LOCK	14.1	19.0	19.1	8.1	4,10-99	200-350	3.05	21
THENCE TO BUOY 12	7.8	16.6	18.1	9.8	4,10-99	200-400	1.70	21

A. SHOALING TO 10.1 FEET IN OUTSIDE 50 FEET OF QUARTER.
B. SHOALING TO 7.7 FEET IN OUTSIDE 50 FEET OF QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 14833 NM 25/00

BUFFALO HARBOR CHANNEL DEPTHS

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

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
BUFFALO HARBOR:								
SOUTH ENTRANCE INNER CHANNEL	25.7	27.5	25.9	23.2	10,12-99	400-1200	.37	29
OUTER HARBOR SOUTHERN CHANNEL	14.9	25.1	24.8	23.9	10,12-99	1130-1425	.76	28
OUTER HARBOR TURNING BASIN	18.8	19.5	20.0	19.9	1,10,12-99	900	.80	23
OUTER HARBOR MIDDLE CHANNEL	20.9	23.5	23.8	21.0	1,10,12-99	500-1600	2.12	27
OUTER HARBOR NORTHERN CHANNEL	18.3	21.6	22.1	20.7	1,10,12-99	1175-1350	.91	23
BUFFALO RIVER:								
ENTRANCE CHANNEL	A12.7	16.4	14.4	14.2	6-99	220-1625	.98	23
BUFFALO RIVER	7.5	C11.5	10.5	B10.8	6-99	100-700	5.27	23
BUFFALO SHIP CANAL	18.2	20.4	13.6	D10.1	6-99	125	1.02	23
BLACK ROCK CANAL:								
ENTRANCE CHANNEL	19.1	21.1	18.8	E15.7	4,10-99	450-1000	.80	21
BLACK ROCK CANAL TO LOCK	14.1	19.0	19.1	8.1	4,10-99	200-350	3.05	21

A. SHOALING TO 10.1 FEET IN OUTSIDE 50 FEET OF QUARTER.
B. SHOALING TO 0.3 FEET WITHIN 100 FEET OF EITHER SIDE OF RAILROAD BRIDGE AT 42°51'48.2"N - 78°51'13.1"W.
C. SHOALING TO 3.5 FEET WITHIN 100 FEET OF EITHER SIDE OF RAILROAD BRIDGE AT 42°51'36.2"N - 78°50'55.8"W.
D. SHOALING TO 5.1 FEET IN OUTSIDE 30 FEET OF QUARTER.
E. SHOALING TO 7.7 FEET IN OUTSIDE 50 FEET OF QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 14839 NM 25/00

CLEVELAND HARBOR CHANNEL DEPTHS

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

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						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 LWD (FEET)
LAKE APPROACH CHANNEL	25.7	30.2	28.6	28.1	10,11-99	600-750	0.22	29
ENTRANCE CHANNEL	26.3	29.9	28.7	27.0	10,11-99	225-750	0.22	28
CUYAHOGA RIVER								
PIER RANGE	16.5	24.9	27.3	20.0	4-99	250	0.30	27
THENCE TO LORAIN								
CARNEGIE VIADUCT BRIDGE	A11.6	21.3	20.9	13.7	4-99	100-700	2.89	23
THENCE TO END OF PROJECT	11.6	B19.2	C15.4	10.1	4-99	110-400	3.11	23
OLD RIVER								
FROM CUYAHOGA RIVER								
TO END OF PROJECT	D12.4	18.2	17.8	11.1	4-99	125-200	1.10	27
EAST BASIN								
AIRPORT RANGE	E18.6	23.8	23.9	21.0	10,11-99	500	3.11	25
TURNING BASIN	23.0	23.3	23.2	23.4	10,11-99	400-1600	0.33	25
EASTERN SECTION	22.1	23.2	22.5	F18.9	10,11-99	1250-1540	0.72	27
WESTERN SECTION	19.8	26.7	23.8	21.5	10,11-99	1300-1540	0.38	28
WEST BASIN	G23.0	H23.1	I23.2	J23.9	10,11-99	1150-1570	0.91	28

A. EXCEPT FOR SHOALING TO 7.4 FEET AT 41°29'21"N,081°41'33"W
B. EXCEPT FOR SHOALING TO 12.3 FEET IN LAST 100 FEET OF PROJECT.
C. EXCEPT FOR SHOALING TO 11.6 FEET IN LAST 100 FEET OF PROJECT.
D. EXCEPT FOR SHOALING TO 10.7 FEET AT 41°29'50"N,081°42'08"W
E. EXCEPT FOR SHOALING TO 15.8 FEET IN OUTSIDE 50 FEET OF QUARTER.
F. EXCEPT FOR SHOALING TO 12.5 FEET IN OUTSIDE 50 FEET OF QUARTER.
G. EXCEPT FOR SHOALING TO 15.0 FEET IN WESTERN 600 FEET OF PROJECT.
H. EXCEPT FOR SHOALING TO 16.5 FEET IN WESTERN 600 FEET OF PROJECT.
I. EXCEPT FOR SHOALING TO 18.4 FEET IN WESTERN 600 FEET OF PROJECT.
J. EXCEPT FOR SHOALING TO 21.1 FEET IN WESTERN 600 FEET OF PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 18622 NM 25/00

HUMBOLDT BAY AND HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO 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)
BAR CHANNEL	36.9	37.4	40.1	37.2	1,2-00	1800-750	0.6	45
ENTRANCE CHANNEL	33.3	36.6	43.2	42.2	1,2-00	750	0.8	45
NORTH BAY CHANNEL	35.6	35.9	34.7	26.3	1,2-00	400-600	3.0	38
EUREKA CHANNEL								
OUTER REACH	33.5	33.5	31.6	28.9	1-00	400	0.4	38
INNER REACH	5.6	6.9	11.3	A10.8	1-00	400	1.1	26
SAMOA CHANNEL	33.5	35.2	35.2	33.2	2,3-99	400	1.3	35
TURNING BASIN	30.8	35.5	35.9	24.9	2-99	400-1000	0.3	35
FIELDS LANDING CHANNEL	21.4	27.0	25.5	21.6	1,2-00	300	1.9	26
TURNING BASIN	13.0	16.2	26.4	26.4	1,2-00	300-600	0.1	26

A. CONTROLLING DEPTH OF 10.8 FEET FOR INSIDE HALF OF QUARTER,
SHOALING TO 4.4 FEET ALONG EDGE OF OUTSIDE HALF OF QUARTER
NOTE-CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION