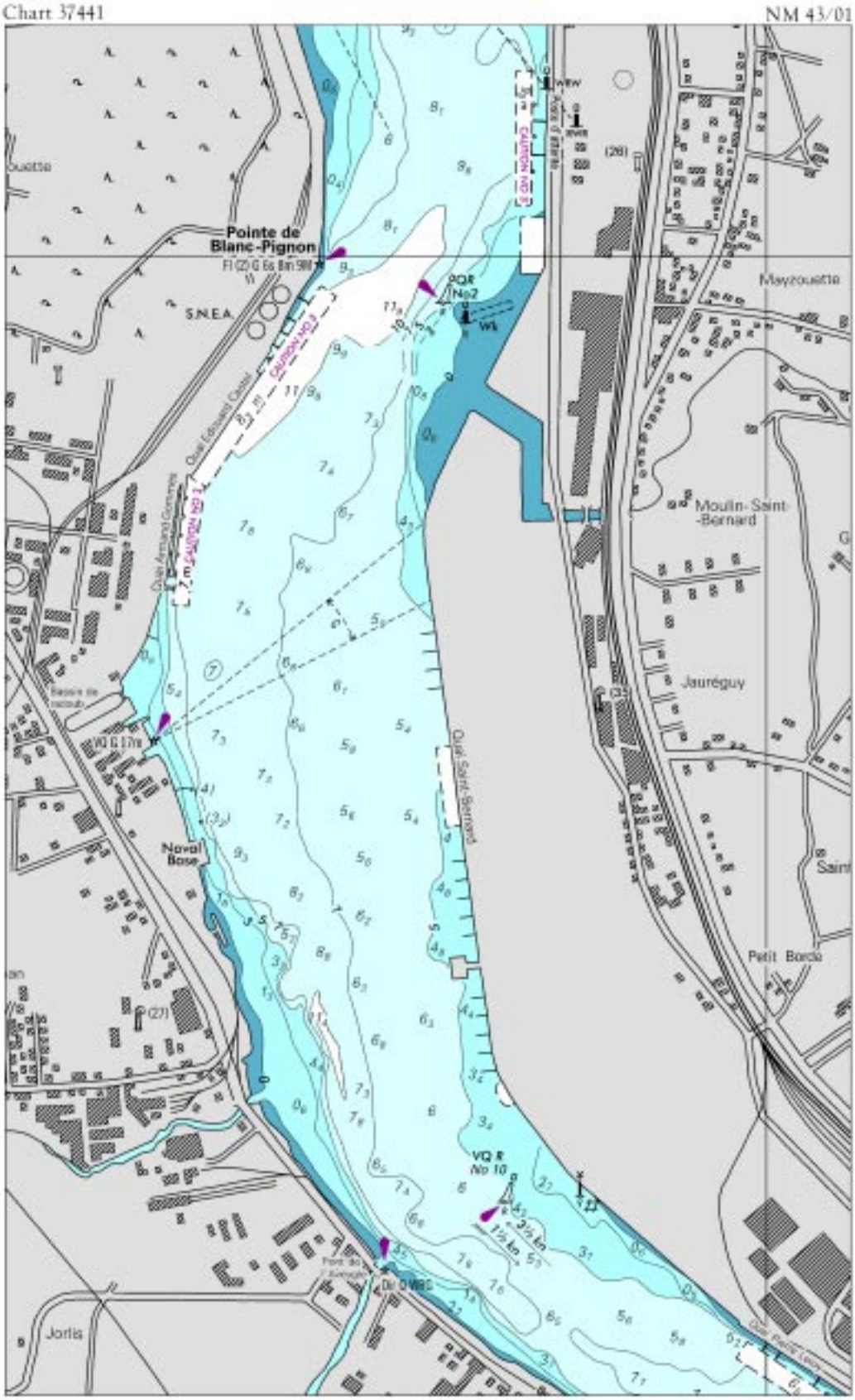
Chart 37441 NM 43/01



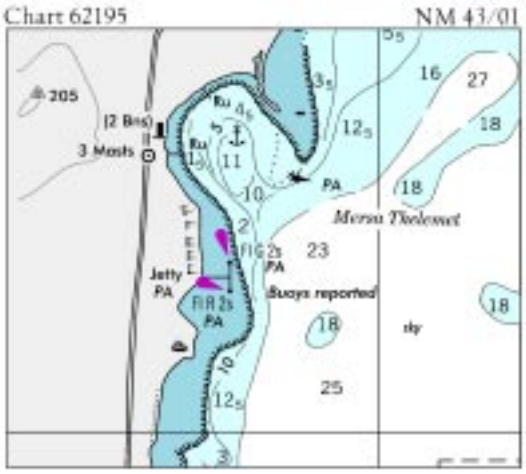


Chart 62195
NM 43/01
205
(2 Bns)
3 Masts
Ru
11
10
PA
Mersa Thelemet
FIG 2s
PA
23
Jetty
PA
FIR 2s
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Buoys reported
18
25
16
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Chart 14835 NM 43/01

ERIE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORTS TO JUN 2001 AND SURVEYS TO APR 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH LWD (FEET)
ENTRANCE CHANNEL	25.0	26.3	19.5A	4-01	220-500	2.04	29

A. SHOALING TO 11.6 FEET IN OUTSIDE 50 FEET OF QUARTER FROM 42°09'25.7"N 080°04'08.1"W TO 42°09'21.9"N 080°04'13.5"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14975 NM 43/01

SUPERIOR HARBOR

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

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)
SUPERIOR ENTRY	A	A	A	A				
1	28.7	32.0	32.2	25.0	10-2000	600-1100	.18	31
2	28.0	31.0	31.9	27.3	10-2000	415-1100	.15	30
3	29.0	30.9	30.3	27.1	8-2000	415	.08	29
4	29.0	30.5	28.5	25.2	8-2000	415-430	.08	28
5	24.2	28.8	29.4	26.2	8-2000	430-840	.08	27
SUPERIOR HARBOR BASIN	B20.6	21.3	23.3	20.5	7,8-2000; 5-2001	600-2000	1.21	27
ALLOUEZ BAY CHANNEL	22.4	24.0	23.9	23.8	8-2000	400-900	.44	27
SUPERIOR FRONT CHANNEL	24.5	27.3	27.1	25.0	6,7-2000	600	2.32	27
EAST GATE BASIN (SOUTH)	26.1	25.6	26.2	25.8	6-2000	600-3200	.57	27

A. CHANNEL DIVIDED INTO QUARTERS WHEN ENTERING FROM LAKE.
B. SHOALING TO 3.5 FT WITHIN 320 FT FROM BUOY 1 AT 46°42'17.85" N, 92°01'36.25" W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18523 NM 43/01

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

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 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	41	42	40	38	7 - 01	600	2.2	40
PILLAR ROCK LOWER RANGE	38	41	39	39	7 - 01	600	3.0	40
PILLAR ROCK UPPER RANGE	38	43	40	36	7, 8 - 01	600	1.9	40
WELCH ISLAND REACH	39	44	44	35	8 - 01	600	3.2	40
SKAMOKAWA CHANNEL	39	40	40	37	7, 8 - 01	600	3.3	40
STEAMBOAT REACH	48	47	44	40	7 - 01	600	1.4	40
PUGET ISLAND RANGE AND TURN	34	40	41	39	7 - 01	600	3.5	40
WAUNA RANGE	37	40	42	40	7 - 01	600	2.2	40
DRISCOLL RANGE	37	40	38	41	7 - 01	600	1.7	40
WESTPORT TURN AND RANGE	37	40	40	40	7 - 01	600	2.0	40
WESTPORT CHANNEL	38	40	40	38	7 - 01	600	2.4	40
EUREKA LOWER CHANNEL	48	46	45	46	7 - 01	600	2.1	40
EUREKA UPPER CHANNEL	40	45	44	44	7 - 01	600	0.8	40
OAK POINT CHANNEL	47	46	44	44	7 - 01	600	2.4	40
GULL I TURN AND CHANNEL	45	42	43	40	6, 7 - 01	600	2.2	40

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

Chart 18649 NM 43/01

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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)
SOUTHAMPTON SHOAL CHANNEL	43.9	44.2	44.3	43.6	5-01	600	1.1	45
RICHMOND HARBOR								
ENTRANCE CHANNEL	33.1	35.1	35.8	35.6	7-01	600-550	1.0	35
POINT POTRERO REACH	34.1	34.4	35.1	33.7	7-01	500-600	1.4	35
POINT POTRERO TURN	35.7	35.9	35.2	34.3	7-01	600-1250	0.6	35
HARBOR CHANNEL	34.8	36.2	34.7	35.2	7-01	850-200	0.5	35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	2-99,7-01	200	0.5	35-30
TURNING BASIN	28.6	30.1	29.1	24.1	2-99	200-500	0.16	30

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

Chart 18653 NM 43/01

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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)
SOUTHAMPTON SHOAL CHANNEL	43.9	44.2	44.3	43.6	5-01	600	1.1	45
RICHMOND HARBOR								
ENTRANCE CHANNEL	33.1	35.1	35.8	35.6	7-01	600-550	1.0	35
POINT POTRERO REACH	34.1	34.4	35.1	33.7	7-01	500-600	1.4	35
POINT POTRERO TURN	35.7	35.9	35.2	34.3	7-01	600-1250	0.6	35
HARBOR CHANNEL	34.8	36.2	34.7	35.2	7-01	850-200	0.5	35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	2-99,7-01	200	0.5	35-30
TURNING BASIN	28.6	30.1	29.1	24.1	2-99	200-500	0.16	30

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