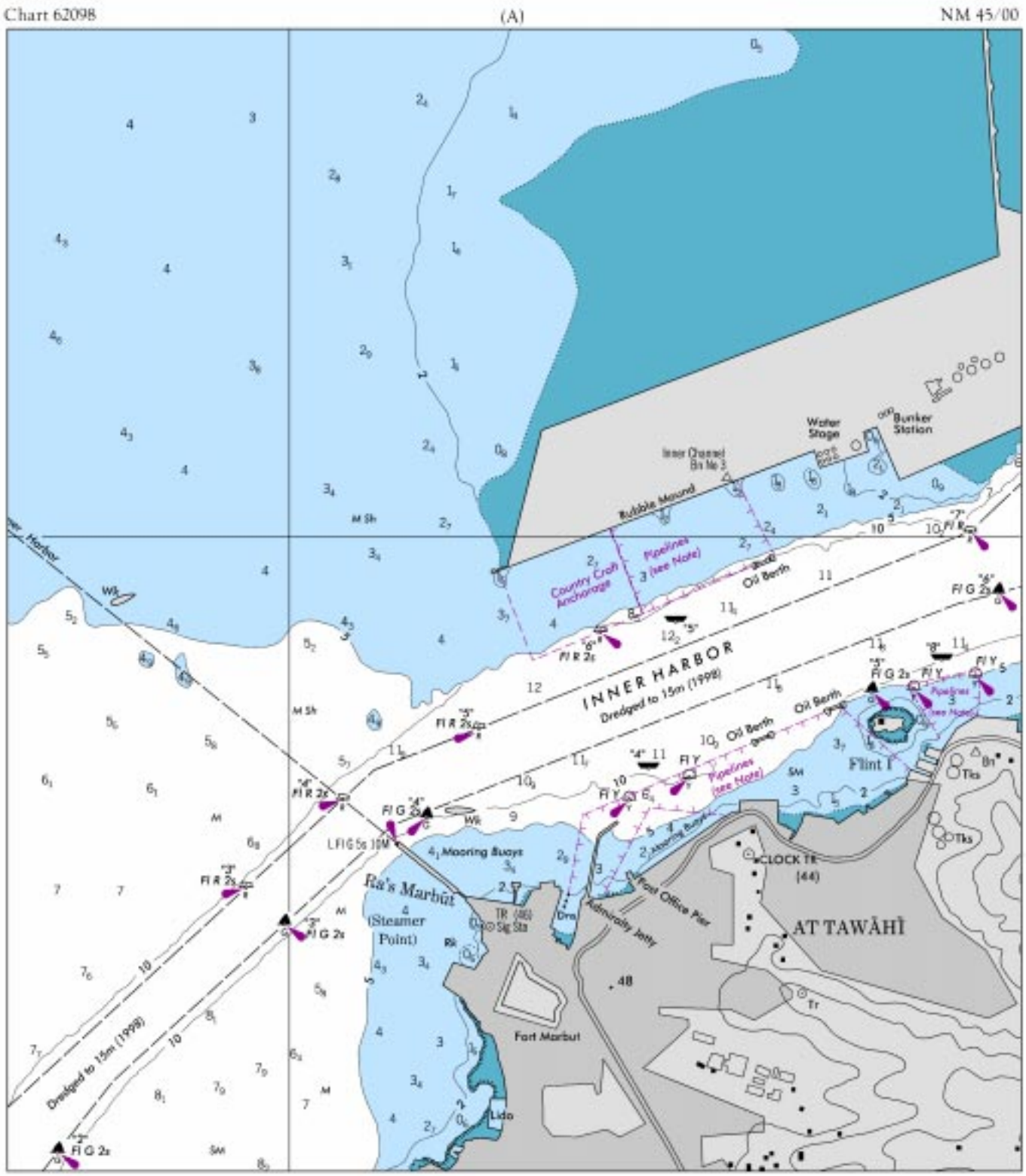
Chart 62098
(A)
NM 45/00
Water Stage
Bunker Station
Inner Channel Bn No 3
Bubble Mound
Pipelines 3 (see Note)
Country Craft Anchorage
Old Berth
INNER HARBOR
Dredged to 15m (1998)
Flint I
Pipelines (see Note)
Old Berth
Mooring Buoys
Ra's Marbūt
(Steamer Point)
Sig Sta
Admiralty Jetty
Post Office Pier
CLOCK TR (44)
AT TAWĀHĪ
Fort Marbut
Lido
Dredged to 15m (1998)

Chart 62098 (B) NM 45/00

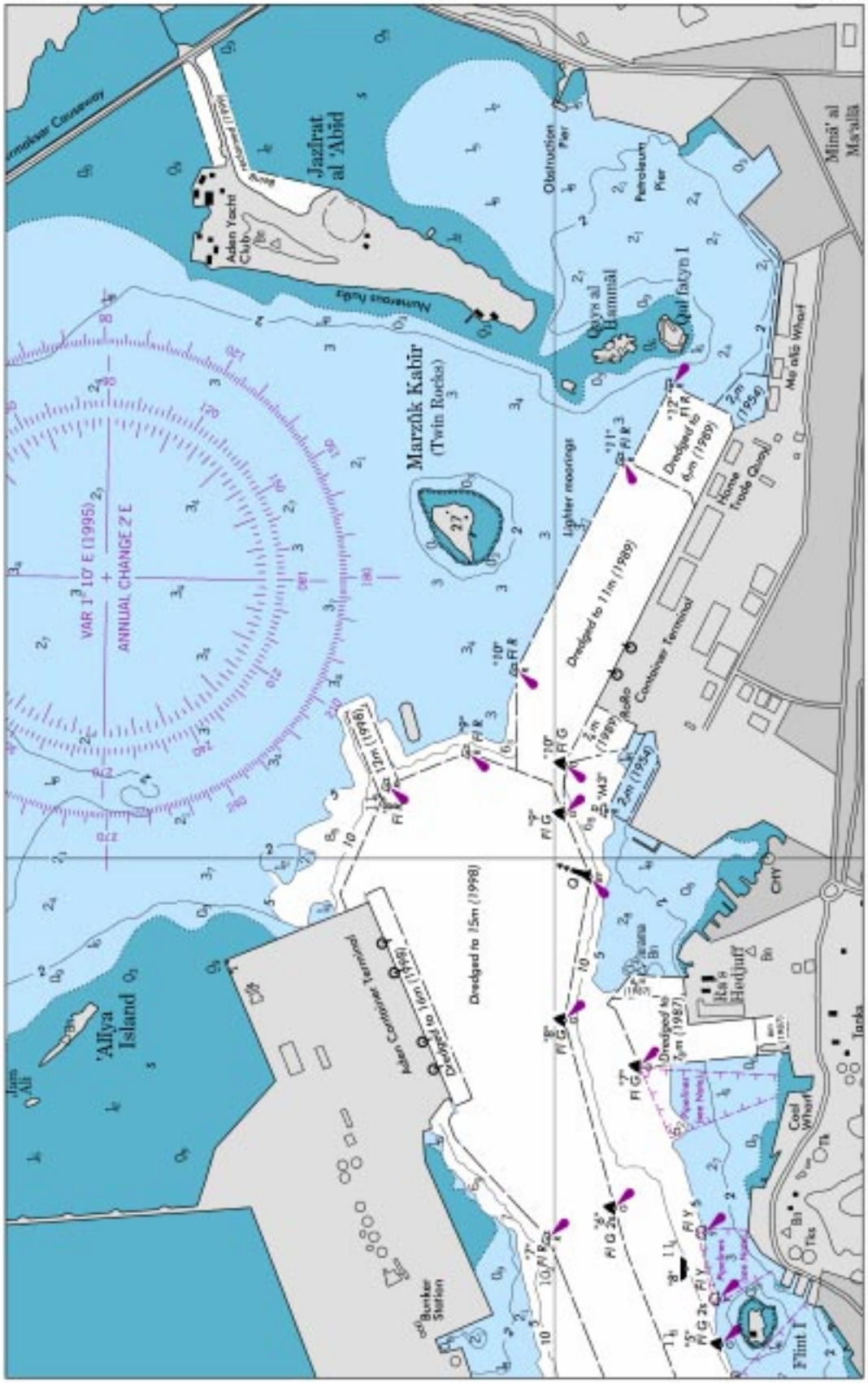

Chart 11493 NM N45/00

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2000 AND SURVEYS TO MAR 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)
ENTRANCE CHANNEL	46.3	48.0	47.1	42.7	3-00	500	12.36	46
RANGE A	45.2	47.7	45.8	43.4	5-00	482	1.34	42
RANGE A1, A2	46.7	45.3	43.7	41.7	5-00	591-834	0.66	42
RANGE B	46.5	47.7	47.1	45.0	5-00	582-655	0.55	42
RANGE C	36.2	45.1	45.7	44.1	5-00	498	1.19	42
RANGE D	38.3	42.9	43.4	42.5	5-00	489-498	1.35	42
RANGE E	42.9	42.9	43.0	39.1	5-00	512	0.87	42
RANGE F (WARRIOR REACH)	44.4	44.0	42.2	41.6	5-00	564-836	0.25	42
RANGE G (SOUTH TURNING BASIN)	36.8	42.8	42.3	43.3	5-00	661-1181	0.49	42
RANGE H (TENNESSEE REACH)	A 35.6	43.7	42.3	41.2	5-00	482-1197	0.83	42
RANGE I (NORTH TURNING BASIN)	44.8	44.3	44.6	41.8	2-99,5-00	493-1425	0.46	42

A- EXCEPT FOR SHOALING TO 22.1 FT AT 30° 47' 40.0" N , 081° 30' 31.0" W.

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

Chart 11494 NM N45/00

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2000 AND SURVEYS TO MAR 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)
ENTRANCE CHANNEL	46.3	48.0	47.1	42.7	3-00	500	12.36	46
RANGE A	45.2	47.7	45.8	43.4	5-00	482	1.34	42
RANGE A1, A2	46.7	45.3	43.7	41.7	5-00	591-834	0.66	42
RANGE B	46.5	47.7	47.1	45.0	5-00	582-655	0.55	42
RANGE C	36.2	45.1	45.7	44.1	5-00	498	1.19	42
RANGE D	38.3	42.9	43.4	42.5	5-00	489-498	1.35	42
RANGE E	42.9	42.9	43.0	39.1	5-00	512	0.87	42

A- EXCEPT FOR SHOALING TO 22.1 FT AT 30° 47' 40.0" N , 081° 30' 31.0" W.

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

Chart 11503 NM 45/00

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2000
AND SURVEYS TO MAR 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)
ENTRANCE CHANNEL	46.3	49.0	47.1	42.7	3-00	500	12.35	46
RANGE A	45.2	47.7	45.8	43.4	5-00	482	1.34	42
RANGE A1, A2	46.7	45.3	43.7	41.7	5-00	591-634	0.66	42
RANGE B	46.5	47.7	47.1	46.0	5-00	582-655	0.55	42
RANGE C	36.2	45.1	45.7	44.1	5-00	498	1.19	42
RANGE D	38.3	42.9	43.4	42.5	5-00	468-488	1.35	42
RANGE E	42.9	42.9	43.0	39.1	5-00	512	0.87	42
RANGE F (WARRIOR REACH)	44.4	44.0	42.2	41.6	5-00	564-636	0.25	42
RANGE G (SOUTH TURNING BASIN)	38.8	42.6	42.3	43.3	5-00	661-1161	0.48	42
RANGE H (TENNESSEE REACH)	A 36.6	43.7	42.3	41.2	5-00	482-1197	0.93	42
RANGE I (NORTH TURNING BASIN)	44.8	44.3	44.6	41.8	2-99,5-00	493-1425	0.46	42

A. EXCEPT FOR SHOALING TO 22.1 FT AT 30°47' 40.0"N, 081°30'31.0"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14975 NM 45/00

SUPERIOR HARBOR
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)
SUPERIOR ENTRY	A	A	A	A				
1	27.8	31.8	32.0	22.0	9-99	600-1100	.18	31
2	27.7	30.8	31.8	28.3	9-99	415-1100	.15	30
3	29.1	30.5	30.2	26.7	10-99	415	.08	29
4	28.5	29.5	28.6	25.0	10-99	415-430	.08	28
5	23.0	29.4	29.4	25.3	10-99	430-840	.08	27
SUPERIOR HARBOR BASIN	B20.2	24.2	23.3	20.9	9,10,11-99	600-2000	1.21	27
ALLOUEZ BAY CHANNEL	22.3	23.7	22.3	21.7	8-99	400-900	.44	27
SUPERIOR FRONT CHANNEL	24.6	26.9	25.9	25.4	9,11-99	600	2.32	27
EAST GATE BASIN (SOUTH)	26.8	25.9	26.7	26.7	7,8-98;6-99	600-3200	.57	27

A. CHANNEL DIVIDED INTO QUARTERS WHEN ENTERING FROM LAKE.
B. SHOALING TO 5.3 FT AT 46°42'16.3" N, 92°01'38.6" W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14975 NM 45/00

DULUTH HARBOR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 1998 AND SURVEYS TO OCT 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)
DULUTH ENTRY	A	A	A	A				
1	28.2	32.6	32.6	30.4	5-99	245-1000	.13	32
2	26.9	34.3	33.4	33.6	5-99	245	.08	31
3	27.5	33.2	32.7	33.3	5-99	245	.07	30
4	31.4	31.6	30.9	32.7	5-99	245	.07	29
5	29.0	32.2	32.8	28.4	5-99	245-480	.07	28
DULUTH HARBOR BASIN								
NORTHERN SECTION	24.9	26.8	27.3	26.3	5,6-99	1100-2700	.64	28
SOUTHERN SECTION	25.1	25.4	25.3	26.1	5,6-99	1200-2700	.91	27
EAST GATE BASIN (NORTH)	26.0	25.4	24.9	23.4	6-99	1500-3300	.33	27
WEST GATE BASIN	25.1	27.7	26.9	24.9	7-99	400-850	.66	27
HOWARDS BAY	23.1	23.5	24.8	21.2	8-99	100-750	.99	27
NORTH CHANNEL								
EASTERN SECTION	19.9	19.6	19.8	16.0	7,8-99	400	1.66	27
WESTERN SECTION	20.2	20.7	20.4	20.3	7-99	400	.59	21
21ST AVE WEST CHANNEL	6.3	21.1	21.1	16.6	6-71;10-91	200	.33	20
SOUTH CHANNEL								
EASTERN SECTION	21.7	24.1	23.6	25.7	7-99	400-800	.74	27
WESTERN SECTION	22.0	22.7	23.4	21.9	7-99	400	.83	23
CROSS CHANNEL	21.0	27.5	30.3	19.0	7-99	1300	.33	27
UPPER CHANNEL	20.1	23.8	20.4	19.5	7-99	500	1.00	23
MINNESOTA CHANNEL								
EASTERN SECTION	19.1	22.3	22.6	B21.1	7,8-99	600	.95	23
WESTERN SECTION	D11.2	D14.7	D14.7	C,D15.0	2-50;8,10-99	200	2.39	20

A. CHANNEL DIVIDED INTO QUARTERS WHEN ENTERING FROM LAKE.
B. SHOALING TO 8.6 FT IN THE OUTSIDE HALF OF THE QUARTER FOR THE NORTHERN 700 FT OF THE REACH.
C. SHOALING TO 5.3 FT IN THE OUTSIDE HALF OF THE QUARTER.
D. RECENT SURVEYS NOT AVAILABLE FOR LAST MILE OF CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.

Chart 18524 NM 45/00

COLUMBIA RIVER CHANNEL DEPTHS
GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 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	44	42	41	35	8-00	600	2.2	40
STELLA RANGE	36	39	39	39	8-00	600	2.8	40
FISHER I CHANNEL	36	41	42	38	8-00	600	0.9	40
WALKER I CHANNEL	39	41	39	35	8-00	600	1.5	40
BARLOW PT. CHANNEL	45	45	43	41	8-00	600	1.3	40
SLAUGHTERS CHANNEL	38	40	38	39	7,8-00	600	2.5	40
SLAUGHTERS TURN AND CHANNEL OPPOSITE THE TURNING BASIN	34	36	38	36	7-00	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	39	41	41	40	8-00	600	1.7	40
COTTONWOOD ISLAND TURN	41	40	40	34	8-00	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE AND TURN	38	40	39	40	7,8-00	600	1.8	40
KALAMA LOWER RANGE	41	41	39	35	7-00	600	1.8	40
KALAMA UPPER RANGE	39	39	41	40	7,8-00	600	2.2	40
BYBEE LEDGE CHANNEL	36	40	40	41	8-00	600	2.1	40
MARTIN ISLAND CHANNEL	41	41	41	38	8-00	600	2.1	40
MARTIN ISLAND RANGE	41	39	41	40	8-00	600	1.4	40
COLUMBIA CITY CHANNEL	38	38	40	38	8-00	600	1.2	40
ST. HELENS RANGE	40	42	39	37	8-00	600	2.0	40
ST. HELENS TURN	44	43	41	35	8-00	600	1.7	40

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

Chart 18525 NM 45/00

COLUMBIA RIVER CHANNEL DEPTHS
SAINT HELENS TURN TO TOMAHAWK BAR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 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	44	43	41	35	8-00	600	1.7	40
WARRIOR ROCK RANGE	38	41	41	43	7,8-00	600	1.3	40
DUCK CLUB TURN	38	41	42	45	7-00	600	1.4	40
HENRICI RANGE	39	39	39	40	7,8-00	600	2.6	40
FALES CHANNEL	41	42	40	39	8-00	600	1.1	40
KNAPP POINT CHANNEL	42	40	41	38	8-00	600	1.8	40
WILLOW LOWER RANGE	40	40	40	36	8-00	600	2.1	40
WILLOW UPPER RANGE	40	44	43	44	8-00	600	1.1	40
MORGAN TURN	41	45	46	48	8-00	600	1.0	40
MORGAN CHANNEL	45	46	43	43	8-00	600	1.5	40
VANCOUVER LOWER CHANNEL	47	49	49	54	8-00	500	1.0	40
VANCOUVER RANGE	41	42	41	39	8-00	500	1.3	40
VANCOUVER UPPER CHANNEL	39	42	40	39	8-00	500	0.9	40
VANCOUVER LOWER TURNING BASIN	33	35	39	40	8-00	800	1.0	40
VANCOUVER UPPER TURNING BASIN	30	25	24	27	8-00	800	0.9	35
TOMAHAWK BAR	11	15	17	15	3,6-00	300	3.7	27

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

Chart 18526 NM 45/00

COLUMBIA RIVER CHANNEL DEPTHS
MORGAN CHANNEL TO TOMAHAWK BAR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 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	45	46	43	43	8-00	600	1.5	40
VANCOUVER LOWER CHANNEL	47	49	49	54	8-00	500	1.0	40
VANCOUVER RANGE	41	42	41	39	8-00	500	1.3	40
VANCOUVER UPPER CHANNEL	39	42	40	39	8-00	500	0.9	40
VANCOUVER LOWER TURNING BASIN	33	35	39	40	8-00	800	1.0	40
VANCOUVER UPPER TURNING BASIN	30	25	24	27	8-00	800	0.9	35
TOMAHAWK BAR	11	15	17	15	3,6-00	300	3.7	27

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

Chart 18588 NM 45/00

COQUILLE RIVER CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 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)
A ENTRANCE CHANNEL	13	13	12	8-00	200	0.33	13.0
ENTRANCE CHANNEL TO PORT DOCK (43°07'15.9"N, 124°24'50.5"W)	13	13	8	4,8-00	200	0.63	13.0
THENCE TO END OF PROJECT	11	14	15	4-00	150	0.38	13.0

A. THE ENTRANCE CHANNEL IS SUBJECT TO FREQUENT CHANGES AND THE DEEPEST WATER IS NOT ALWAYS ON THE RANGE.

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

Chart 18649 NM 45/00

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 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)
SOUTHAMPTON SHOAL CHANNEL	43.2	43.8	43.6	42.7	5-00	600	1.1	45
RICHMOND HARBOR								
ENTRANCE CHANNEL	34.8	36.4	36.5	36.5	7,8-00	600-550	1.0	35
POINT POTRERO REACH	35.4	36.2	36.3	34.9	7,8-00	500-600	1.4	35
POINT POTRERO TURN	36.3	36.3	35.7	34.3	7,8-00	600-1250	0.6	35
HARBOR CHANNEL	37.3	37.2	37.2	36.5	7,8-00	850-200	0.5	35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	1-99;7,8-00	200	0.5	35-30
TURNING BASIN	28.6	30.1	29.1	24.1	1-99	200-500	0.16	30

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

Chart 18649 NM 45/00

OAKLAND OUTER AND INNER HARBORS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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	42.0	42.0	42.0	42.0	5,6-00	1000-930	0.57	42
OUTER HARBOR ENTRANCE CHANNEL	42.0	42.2	42.8	42.0	5,6-00	900-600	0.91	42
OUTER HARBOR	41.6	41.7	42.0	41.2	5,6-00	1575-600	1.40	42
INNER HARBOR								
ENTRANCE CHANNEL	41.8	41.9	42.0	42.0	6,7-00	2100-480	1.10	42
INNER HARBOR REACH	39.7	42.0	42.0	42.0	6,7-00	1325-480	2.27	42
GROVE ST PIER TO BROOKLYN BASIN	A22.9	33.5	34.5	B25.3	2-96;1-97;8,9-99	600	1.30	42
BROOKLYN BASIN SOUTH CHANNEL	C19.5	25.2	24.7	D11.9	3,4-95;2-96	600-500	0.90	42
PARK ST BRIDGE REACH	13.9	20.3	23.5	11.3	7-86;3-88	500-275	0.42	42

A. A DEPTH OF 34.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
B. A DEPTH OF 34.1 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
C. A DEPTH OF 24.9 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
D. A DEPTH OF 20.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18650 NM 45/00

OAKLAND OUTER AND INNER HARBORS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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	42.0	42.0	42.0	42.0	5,6-00	1000-930	0.57	42
OUTER HARBOR ENTRANCE CHANNEL	42.0	42.2	42.8	42.0	5,6-00	900-600	0.91	42
OUTER HARBOR	41.8	41.7	42.0	41.2	5,6-00	1575-600	1.40	42
INNER HARBOR								
ENTRANCE CHANNEL	41.8	41.9	42.0	42.0	6,7-00	2100-480	1.10	42
INNER HARBOR REACH	39.7	42.0	42.0	42.0	6,7-00	1325-480	2.27	42
GROVE ST PIER TO BROOKLYN BASIN	A22.9	33.5	34.5	B25.3	2-96;1-97;8,9-99	600	1.30	42
BROOKLYN BASIN SOUTH CHANNEL	C19.5	25.2	24.7	D11.9	3,4-95;2-96	600-500	0.90	42
PARK ST BRIDGE REACH	13.9	20.3	23.5	11.3	7-86;3-88	500-275	0.42	42

A. A DEPTH OF 34.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
B. A DEPTH OF 34.1 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
C. A DEPTH OF 24.9 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
D. A DEPTH OF 20.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18651 NM 45/00

REDWOOD CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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)
CHANNEL ENTRANCE (37°33'10"N., 122°11'43"W.) TO LIGHT 8	28.5	28.4	27.7	7-00	700-300	1.07	30
LIGHT 8 TO LIGHT 14	27.6	27.1	24.9	7-00	300-350	.90	30
LIGHT 14 TO LIGHT 15	27.2	27.7	27.7	7-00	300	.28	30

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

Chart 18653 NM 45/00

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 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)
SOUTHAMPTON SHOAL CHANNEL	43.2	43.8	43.6	42.7	5-00	600	1.1	45
RICHMOND HARBOR								
ENTRANCE CHANNEL	34.8	36.4	36.5	36.5	7,8-00	600-550	1.0	35
POINT POTRERO REACH	35.4	36.2	36.3	34.9	7,8-00	500-600	1.4	35
POINT POTRERO TURN	36.3	36.3	35.7	34.3	7,8-00	600-1250	0.6	35
HARBOR CHANNEL	37.3	37.2	37.2	36.5	7,8-00	850-200	0.5	35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	1-99;7,8-00	200	0.5	35-30
TURNING BASIN	28.6	30.1	29.1	24.1	1-99	200-500	0.16	30

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

Chart 25673 NM 45/00

MAYAGUEZ HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2000 AND 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)
APPROACH CHANNEL	A19.4	30.2	A29.7	A28.7	2-00	1100-500	0.4	30
TERMINAL CHANNEL	B20.9	B21.1	B22.4	B15.1	2-00	500	0.2	30

A. SHOALING ALONG NORTH EDGE OF CHANNEL EXTENDING 1,000 FEET WEST OF RED BUOY-6. SHOALING ALSO ALONG SOUTH QUARTER OF CHANNEL FROM 250 FEET WEST OF RED BUOY-6 AND EXTENDING 600 FEET SEAWARD.

B. SHOALING ALONG SOUTH AND EAST PERIMETER OF BASIN, EXTENDING NORTH OF BUOY-10. LEAST DEPTH OCCURING IN SOUTHEAST CORNER OF BASIN. SHOALING ALSO ALONG NORTH EDGE OF CHANNEL EXTENDING 600 FEET EAST OF RED BUOY-6.

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

Chart 81155 NM 45/00

DATUM NOTE

Positions referred to the World Geodetic System 1984 (WGS-84) must be moved 17.9" southward and 17.8" seconds westward to agree with this chart.