CHART 12273 NM 24/00

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 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)
CRAIGHILL ENTRANCE	A48.4	50.4	50.4	50.3	2,3-98	700	3.09	50
CRAIGHILL CHANNEL	A47.7	50.5	50.3	48.4	6-98	700	2.80	50
CRAIGHILL ANGLE	49.9	50.7	51.1	50.0	2-98	700-1870	1.55	50
CRAIGHILL CHANNEL UPPER RANGE	48.1	50.9	50.6	49.4	6-98	700	2.11	50
CUTOFF ANGLE	46.6	49.1	49.2	46.5	5-98	700-1725	0.86	50
BREWERTON CHANNEL	49.7	50.4	50.7	A48.7	5-99	700	3.06	50
EASTERN EXTENSION	22.3	35.7	33.3	33.1	6-98	600-450	5.02	35
SWAN POINT CHANNEL	31.5	33.4	34.4	33.8	2-98	600	1.65	35
TOLCHESTER CHANNEL	33.9	33.6	32.8	31.9	4,5-98	600	4.78	35

A. ALONG EDGE OF CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 12278 NM 24/00

BALTIMORE HARBOR 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	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
CRAIGHILL ENTRANCE	A48.4	50.4	50.4	50.3	2,3-98	700	3.09	50
CRAIGHILL CHANNEL	A47.7	50.5	50.3	48.4	6-98	700	2.80	50
CRAIGHILL ANGLE	49.9	50.7	51.1	50.0	2-98	700-1870	1.55	50
CRAIGHILL CHANNEL UPPER RANGE	48.1	50.9	50.6	49.4	6-98	700	2.11	50
CUTOFF ANGLE	46.6	49.1	49.2	46.5	5-98	700-1725	0.86	50
BREWERTON CHANNEL	49.7	50.4	50.7	A48.7	5-99	700	3.06	50
BREWERTON ANGLE	49.6	50.3	49.9	49.5	5-99	700-1450	0.79	50
FORT MCHENRY CHANNEL	47.8	49.0	47.4	48.4	3-00	700	3.77	50
CURTIS BAY CHANNEL	50.1	49.6	49.5	49.5	3-00	400-1275	1.96	50
BREWERTON CHANNEL								
EASTERN EXTENSION	22.3	35.7	33.3	33.1	6-98	600-450	5.02	35
SWAN POINT CHANNEL	31.5	33.4	34.4	33.8	2-98	600	1.65	35
TOLCHESTER CHANNEL	33.9	33.6	32.8	31.9	4,5-98	600	4.78	35

A. ALONG EDGE OF CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 12281 NM 24/00

BALTIMORE HARBOR 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	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BREWERTON CHANNEL	49.7	50.4	50.7	A48.7	5-99	700	3.06	50
BREWERTON ANGLE	49.6	50.3	49.9	49.5	5-99	700-1450	0.79	50
FORT MCHENRY CHANNEL	47.8	49.0	47.4	48.4	3-00	700	3.77	50
FERRY BAR CHANNEL								
EAST SECTION	A34.2	38.5	39.9	37.0	4-98	600	1.23	42
CURTIS BAY CHANNEL	50.1	49.6	49.5	49.5	3-00	400-1275	1.96	50
NORTHWEST HARBOR								
EAST CHANNEL	44.7	46.4	46.6	45.2	4-98	600	0.99	49
EAST CHANNEL TURNING BASIN	A45.2	47.6	48.2	46.5	4-98	600-950	0.16	49
WEST CHANNEL	38.2	38.5	39.7	A38.0	8-98	600	0.57	40
WEST CHANNEL TURNING BASIN	A38.7	38.5	37.6	37.6	8-98	600-1050	0.26	40

A. ALONG EDGE OF CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 18521 NM 24/00

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 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	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	54	55	55	46	10-99	2640	2.2	48
LOWER DESDEMONA SHOAL	45	45	44	37	5-99; 1-00	600	3.4	40
UPPER DESDEMONA SHOAL	37	43	47	46	1-00	600	3.7	40
TANSY POINT TURN AND RANGE	40	41	40	37	2-00	600	4.7	40
ASTORIA RANGE	39	40	40	36	2-00	600	2.7	40
TONGUE POINT CHANNEL	37	41	41	41	2-00	600	2.2	40
HARRINGTON POINT RANGE	37	39	41	35	3-00	600	2.6	40
MILLER SANDS RANGE	32	44	42	36	3-00	600	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 24/00

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

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 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	32	44	42	36	3-00	600	2.2	40
PILLAR ROCK LOWER RANGE	38	39	40	38	3-00	600	3.0	40
PILLAR ROCK UPPER RANGE	32	42	42	39	3-00	600	1.9	40
WELCH ISLAND REACH	39	39	39	25	3-00	600	3.2	40
SKAMOKAWA CHANNEL	34	42	41	34	3-00	600	3.3	40
STEAMBOAT REACH	49	48	46	44	3-00	600	1.4	40
PUGET ISLAND RANGE AND TURN	39	42	41	39	3-00	600	3.5	40
WAUNA RANGE	39	42	42	40	3-00	600	2.2	40
DRISCOLL RANGE	39	41	43	43	3-00	600	1.7	40
WESTPORT TURN AND RANGE	39	41	41	43	3-00	600	2.0	40
WESTPORT CHANNEL	37	40	40	41	2, 3-00	600	2.4	40
EUREKA LOWER CHANNEL	45	45	46	44	2-00	600	2.1	40
EUREKA UPPER CHANNEL	42	45	44	44	2-00	600	0.8	40
OAK POINT CHANNEL	46	45	44	40	2-00	600	2.4	40
GULL I TURN AND CHANNEL	41	44	43	34	2-00	600	2.2	40

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

CHART 18587 NM 24/00

COOS BAY AND ISTHMUS SLOUGH CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 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)
ENTRANCE RANGE	39	38	36	9-98;4-00	—	1.9	47-37
ENTRANCE RANGE AND TURN	38	45	33	9-99	300-1050	0.6	37
INSIDE RANGE	33	39	34	9-99	300	0.6	37
COOS BAY RANGE	33	38	35	9-99	300	1.6	37
EMPIRE RANGE	36	37	37	9-99	300	1.3	37
LOWER JARVIS RANGE	38	37	36	9-99	300	0.8	37
JARVIS TURN	37	38	34	9-99	300	0.5	37
UPPER JARVIS RANGE	35	35	34	8,9;11-99;3-00	300	1.9	
NORTH BEND LOWER RANGE	37	39	37	3-00	400	0.7	37
NORTH BEND RANGE	38	38	37	5-99	400	0.9	37
NORTH BEND UPPER RANGE	36	37	36	5-99	400	0.6	37
LOWER TURNING BASIN	37	37	32	10-99	400-800	0.3	37
FERNDALE LOWER RANGE	34	39	38	3-00	400	0.4	37
FERNDALE TURN	34	38	37	3-00	400	0.2	37
FERNDALE UPPER RANGE	32	37	37	3-00	400	0.7	37
MARSHFIELD RANGE	30	37	36	3-00	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	36	37	38	3-00	150-750	0.9	37
ISTHMUS SLOUGH	19	20	19	4-85	150	2.0	22

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