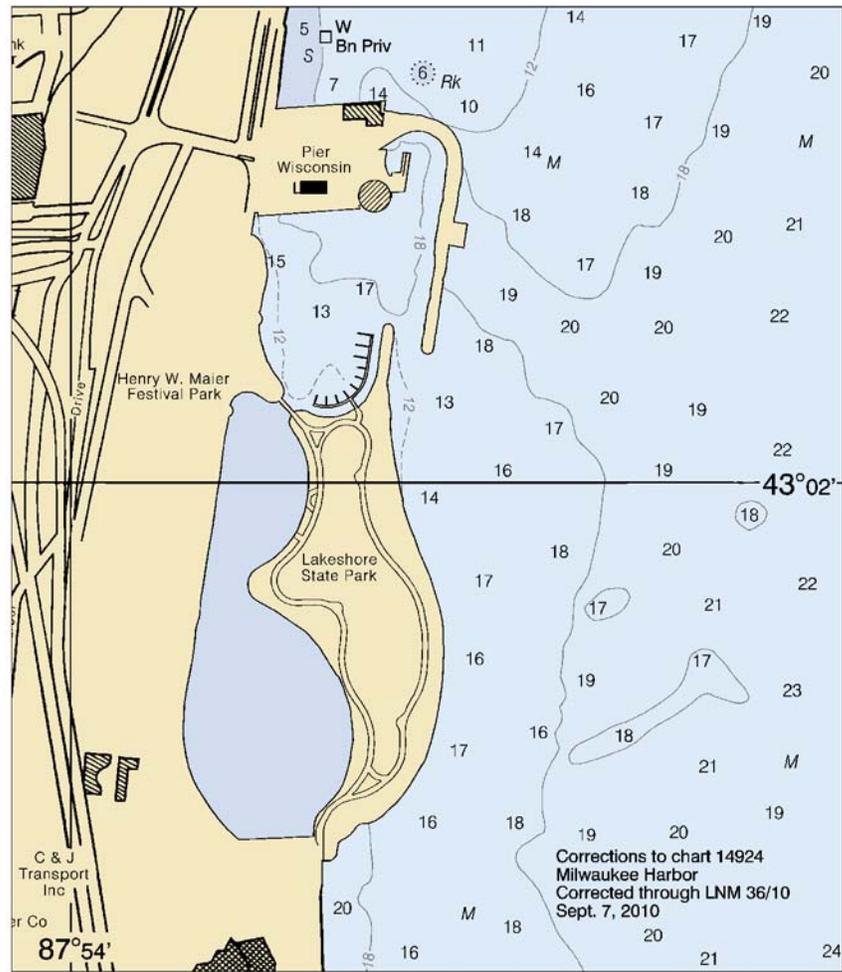


Chart 14924

NM 42/10



SECTION I

Chart 12333

NM 42/10

PORT ELIZABETH SOUTH AND PORT NEWARK CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2010 AND SURVEYS TO JAN 2010							
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)
PORT ELIZABETH SOUTH REACH	42.2	43.4	43.4	1-10	140-290	0.43	45
PORT NEWARK : PIERHEAD REACH	33.0	30.7	28.4	1-10	300-750	0.65	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 12337

NM 42/10

NEWARK BAY AND PORT NEWARK CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2010 AND SURVEYS TO JAN 2010								
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)
NEWARK BAY								
REACH B1: MIDDLE REACH	38.9	39.3	34.0	28.4	12-09	560-800	0.53	40
NORTH REACH	17.5	22.4	10.3	6.8	12-09	500-1030	1.36	35
TURNING BASIN	22.2	22.4	19.3	8.4	12-09	900	0.26	35
PORT NEWARK								
BRANCH REACH	27.4	36.2	36.5	31.3	1-10	400-1775	0.37	40
INSHORE REACH	33.7	32.2	30.3	30.3	1-10	400	1.06	40
A. SHOALING TO BARE EXTENDS ACROSS THE QUARTER ABOUT 370 YARDS DOWNSTREAM OF THE EIGHTH STREET BRIDGE. B. SHOALING TO BARE EXTENDS ACROSS THE QUARTER ABOUT 300 YARDS NORTH OF THE MAIN STREET BRIDGE AND SHOALING TO 3.5 FEET FROM 40° 46' 04.5" N, 74° 09' 23.0" W TO 40°46'06.3"N 74°09'22.7"W								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 14926 (Page 25)

NM 42/10

CALUMET HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2009								
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)
ENTRANCE TO BKW S END LT	25.2	26.4	27.7	28.1	11,12-98, 9-09	3000-3200	2.24	29
BKW S END LT TO RIVER ENTR LT	A23.9	25.6	24.6	24.0	9-09	300-3000	2.00	28
RIVER ENTR LT TO INTERSTATE 90 BRIDGE	B18.0	25.0	27.0	20.0	9-09	100-300	1.44	27
INTERSTATE 90 BRIDGE TO 106th ST BRIDGE	C19.0	25.0	25.0	23.0	9-09	160-320	1.09	27
106th ST BRIDGE TO TURNING BASIN NO 3	D18.0	25.0	26.0	E23.0	9-09	160-400	1.95	27
TURNING BASIN NO 3 TO TURNING BASIN NO 5	F15.0	25.0	25.0	22.0	9-09	200-650	1.47	27
TURNING BASIN NO 5 TO SLIP NO 1	G22.0	26.0	26.0	H25.0	9-09	400-1200	.96	27
SLIP NO 1 TO END	I21.0	J21.0	K24.0	L21.0	9-09	1000-1200	.37	27
A. SHOALING TO 17.0 FEET IN OUTSIDE 20 FEET OF QUARTER. B. SHOALING TO 12.0 FEET IN OUTSIDE 20 FEET OF QUARTER. C. SHOALING TO 14.0 FEET IN OUTSIDE 20 FEET OF QUARTER. D. SHOALING TO 13.0 FEET IN OUTSIDE 20 FEET OF QUARTER. E. SHOALING TO 15.0 FEET IN OUTSIDE 15 FEET OF QUARTER F. SHOALING TO 9.0 FEET IN OUTSIDE 30 FEET OF QUARTER. G. SHOALING TO 12.0 FEET IN OUTSIDE 35 FEET OF QUARTER. H. SHOALING TO 20.0 FEET IN OUTSIDE 20 FEET OF QUARTER. I. SHOALING TO 8.0 FEET IN OUTSIDE 100 FEET OF QUARTER AND WITHIN LAST 50 FEET OF QUARTER. J. SHOALING TO 7.0 FEET WITHIN LAST 100 FEET OF QUARTER. K. SHOALING TO 10.0 FEET WITHIN LAST 100 FEET OF QUARTER. L. SHOALING TO 16.0 FEET IN OUTSIDE 15 FEET OF QUARTER AND WITHIN LAST 15 FEET OF QUARTER.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 42/10

Chart 14929

NM 42/10

CALUMET HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2009								
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)
ENTRANCE TO BKW S END LT	25.2	26.4	27.7	28.1	11,12-98, 9-09	3000-3200	2.24	29
BKW S END LT TO RIVER ENTR LT	A23.9	25.6	24.6	24.0	9-09	300-3000	2.00	28
RIVER ENTR LT TO INTERSTATE 90 BRIDGE	B18.0	25.0	27.0	20.0	9-09	100-300	1.44	27
INTERSTATE 90 BRIDGE TO 106th ST BRIDGE	C19.0	25.0	25.0	23.0	9-09	160-320	1.09	27
106th ST BRIDGE TO TURNING BASIN NO 3	D18.0	25.0	26.0	E23.0	9-09	160-400	1.95	27
TURNING BASIN NO 3 TO TURNING BASIN NO 5	F15.0	25.0	25.0	22.0	9-09	200-650	1.47	27
TURNING BASIN NO 5 TO SLIP NO 1	G22.0	26.0	26.0	H25.0	9-09	400-1200	.98	27
SLIP NO 1 TO END	I21.0	J21.0	K24.0	L21.0	9-09	1000-1200	.37	27

A. SHOALING TO 17.0 FEET IN OUTSIDE 20 FEET OF QUARTER.
 B. SHOALING TO 12.0 FEET IN OUTSIDE 20 FEET OF QUARTER.
 C. SHOALING TO 14.0 FEET IN OUTSIDE 20 FEET OF QUARTER.
 D. SHOALING TO 13.0 FEET IN OUTSIDE 20 FEET OF QUARTER.
 E. SHOALING TO 15.0 FEET IN OUTSIDE 15 FEET OF QUARTER.
 F. SHOALING TO 9.0 FEET IN OUTSIDE 30 FEET OF QUARTER.
 G. SHOALING TO 12.0 FEET IN OUTSIDE 35 FEET OF QUARTER.
 H. SHOALING TO 20.0 FEET IN OUTSIDE 20 FEET OF QUARTER.
 I. SHOALING TO 8.0 FEET IN OUTSIDE 100 FEET OF QUARTER AND WITHIN LAST 50 FEET OF QUARTER.
 J. SHOALING TO 7.0 FEET WITHIN LAST 100 FEET OF QUARTER.
 K. SHOALING TO 10.0 FEET WITHIN LAST 100 FEET OF QUARTER.
 L. SHOALING TO 16.0 FEET IN OUTSIDE 15 FEET OF QUARTER AND WITHIN LAST 15 FEET OF QUARTER.

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

Chart 18453

NM 42/10

HYLEBOS WATERWAY							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2009 AND NOS SURVEYS TO JUL 2010							
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)
COMMENCEMENT BAY							
TO E. 11TH ST. BRIDGE	20.0	29.0	28.0	4,5,6-09	200	1.0	30
THENCE TO BEND	20.0	29.0	25.0	4,5-09	200	0.5	30
THENCE TO LOWER TURNING BASIN	17.0 A	28.0	28.0	4,5-09; 7-10	300-200	0.35	30
LOWER TURNING BASIN	27.9	28.8	35.0	6-04; 4,5-09	200-510	0.24	30
THENCE TO UPPER TURNING BASIN	28.0	31.0	33.0	4,5-09	200	0.35	30
UPPER TURNING BASIN	23.5	23.0	23.0	4-99; 4,5-09	200-760	0.28	30

A. EXCEPT FOR SHOALING TO 16 FEET AT 47°16'29.0"N - 122°22'55.4"W

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

Chart 18651

NM 42/10

REDWOOD CITY HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2010							
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	29.0	29.0	28.0	7-10	700-300	1.07	30
LIGHT 8 TO LIGHT 14	27.0	28.0	27.0	7-10	300-350	.90	30
LIGHT 14 TO LIGHT 15	28.0	29.0	28.0	7-10	300	.28	30

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

Chart 18654

NM 42/10

PINOLE SHOAL CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2010							
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 (38°01'33"N, 122°22'47"W) TO LT. 11 THENCE TO 38°03'31"N, 122°17'08"W	33.0	35.0	33.0	7-10	600	2.8	35
	29.0	36.0	35.0	7-10	600	2.2	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							