CHART 62355 NM 31/00

NATURE RESERVE

The area surrounding Daymaniyat Islands is a Nature Reserve. Within this area fishing (other than by local vessels), anchoring, diving and approaching within 2000 meters of any island, are strictly prohibited without a permit from the Oman Ministry of Regional Municipalities and Environment.

CHART 62360 NM 31/00

NATURE RESERVE

The area surrounding Daymaniyat Islands is a Nature Reserve. Within this area fishing (other than by local vessels), anchoring, diving and approaching within 2000 meters of any island, are strictly prohibited without a permit from the Oman Ministry of Regional Municipalities and Environment.

CHART 62361 NM N31/00

NATURE RESERVE

The area surrounding Daymaniyat Islands is a Nature Reserve. Within this area fishing (other than by local vessels), anchoring, diving and approaching within 2000 meters of any island, are strictly prohibited without a permit from the Oman Ministry of Regional Municipalities and Environment.

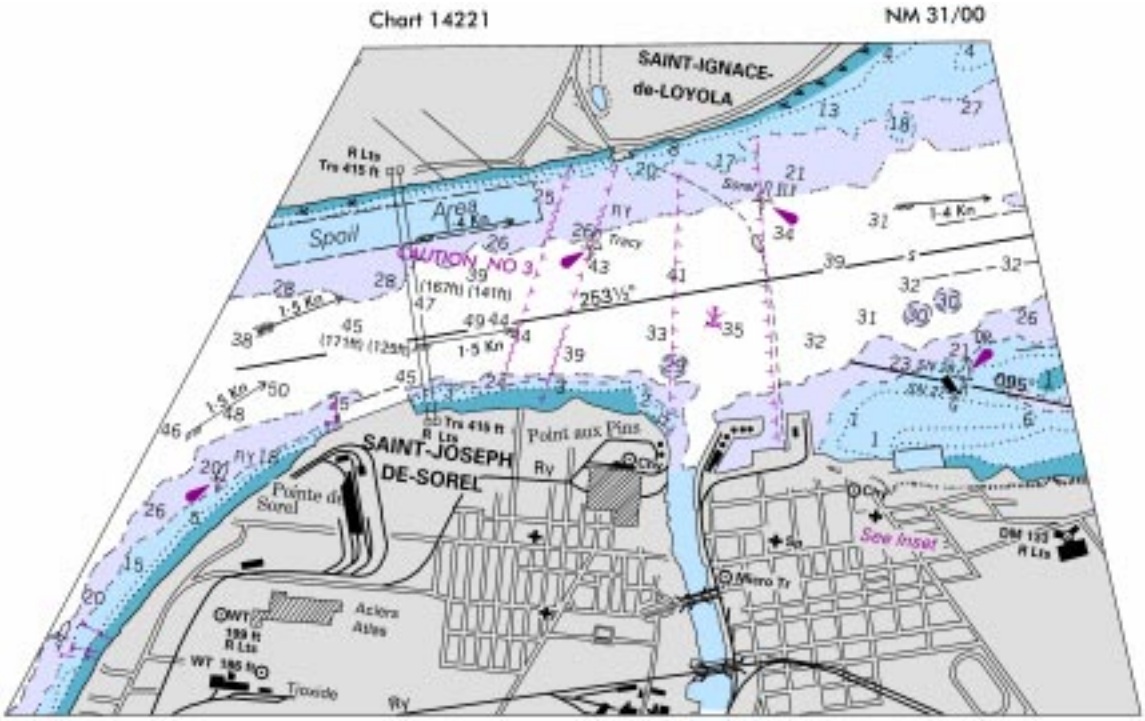


Chart 14221
NM 31/00
SAINT-IGNACE-
de-LOYOLA
Spoil
Area
CAUTION NO 3
SAINT-JOSEPH
DE-SOREL
Point aux Pins
Pointe de
Sorel
Aciers
Atlas
Troxide
Sew Inset
Micro Tr
1-4 Kn
1-5 Kn
Trecy

Chart 14221 (Plan B) (A) NM 31/00

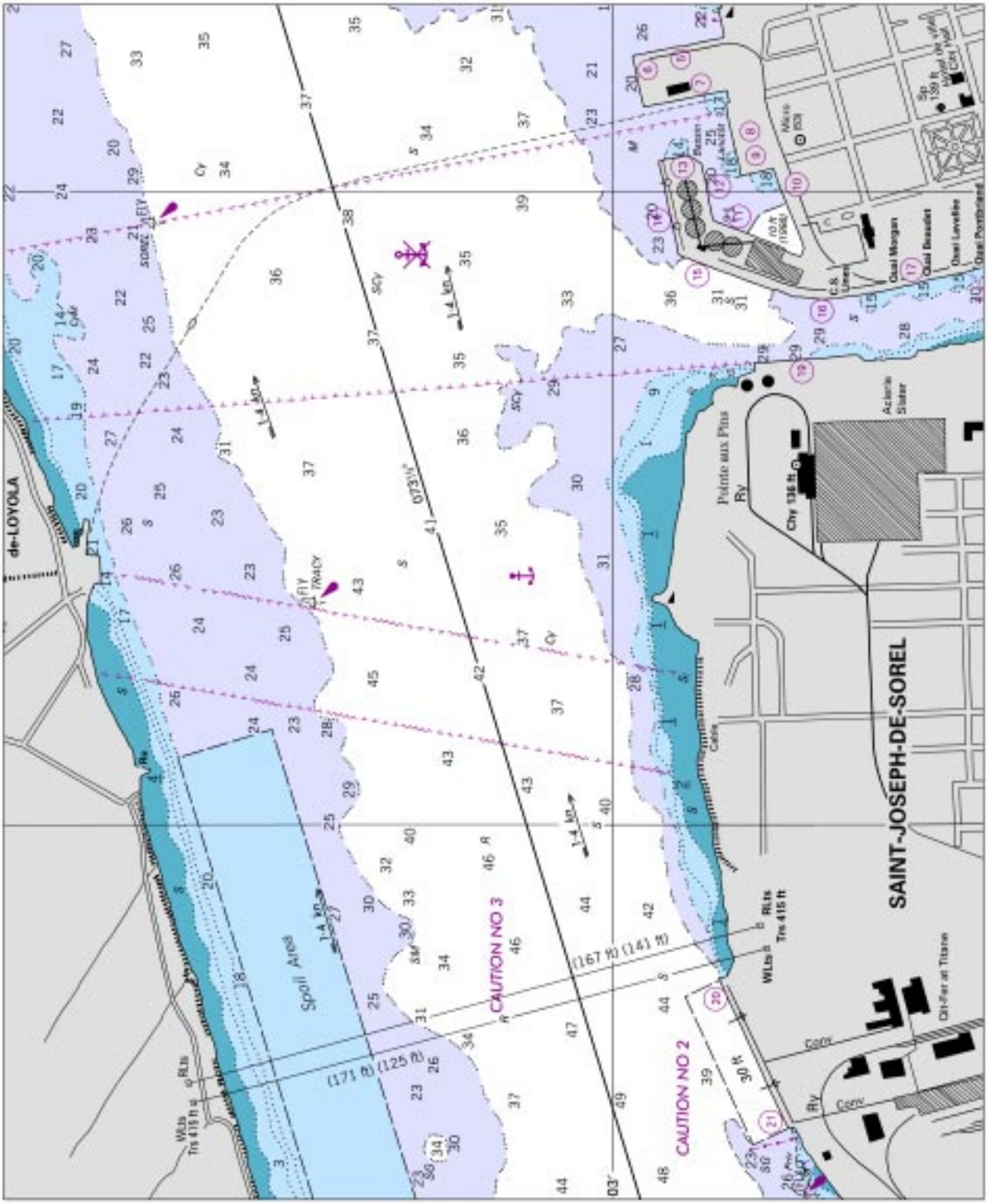
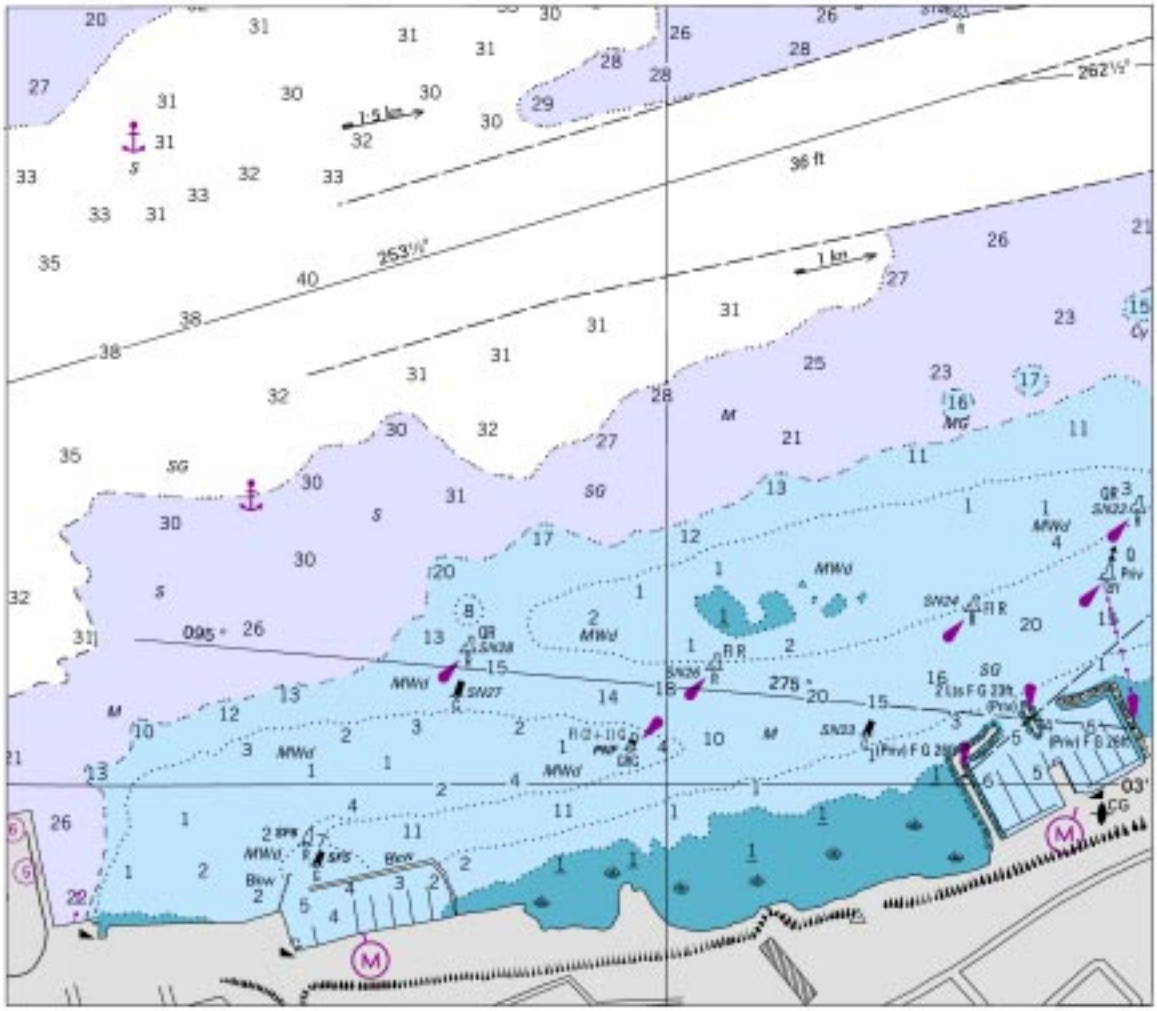


Chart 14221 (Plan B) (B) NM 31/00



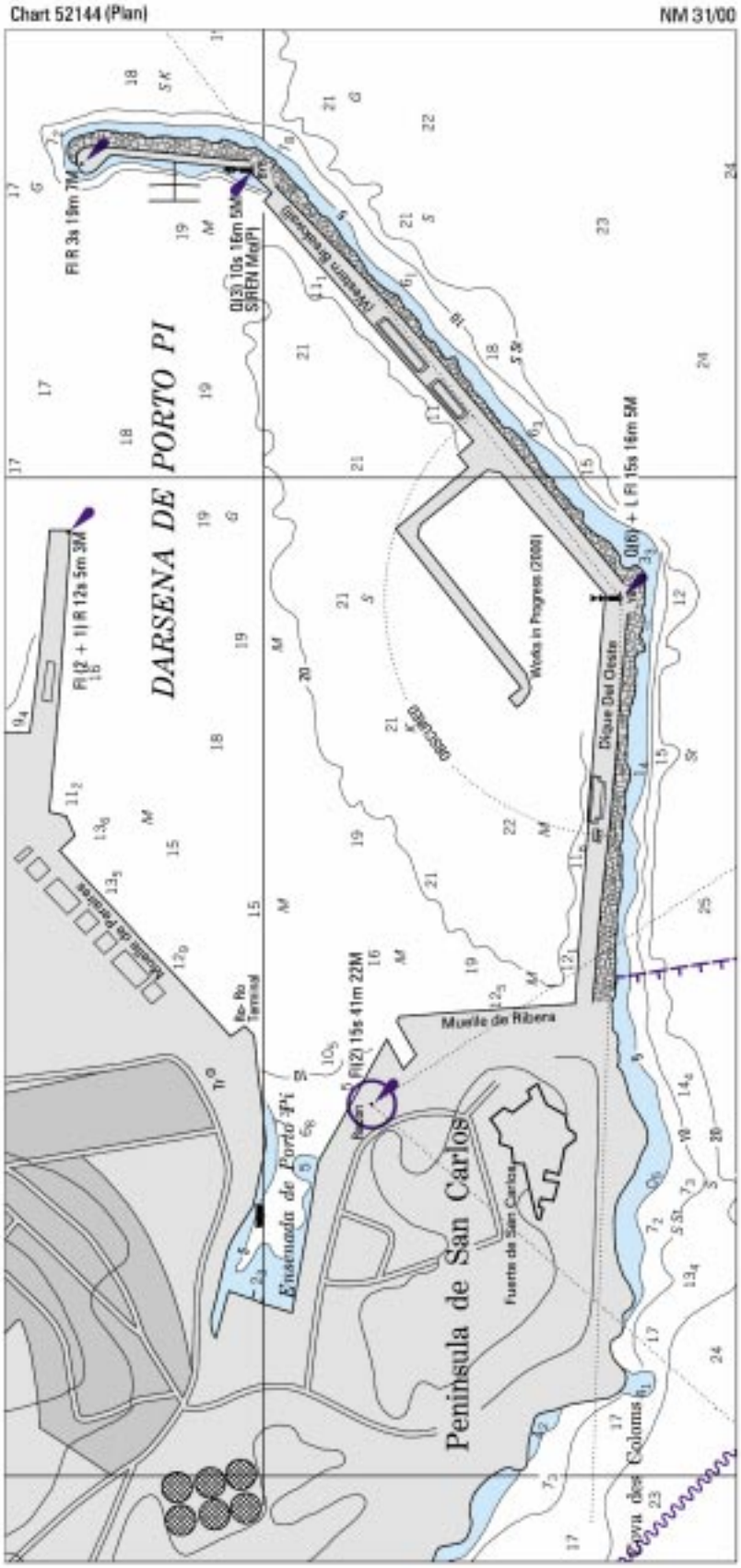


Chart 52144 (Plan)
NM 31/00
DARSENA DE PORTO PI
Peninsula de San Carlos
Ensenada de Porto Pi
Muelle de Ribera
Dique Del Oeste
Fuerte de San Carlos
Fl R 3s 19m 7M
Q(3) 10s 16m 5M
SIREN Mo(P)
Fl (2 + 1) R 12s 5m 3M
Fl(2) 15s 41m 22M
Q(6) + L Fl 15s 16m 5M
Works in Progress (2000)
Ro-Ro Terminal

Chart 18774 NM 31/00

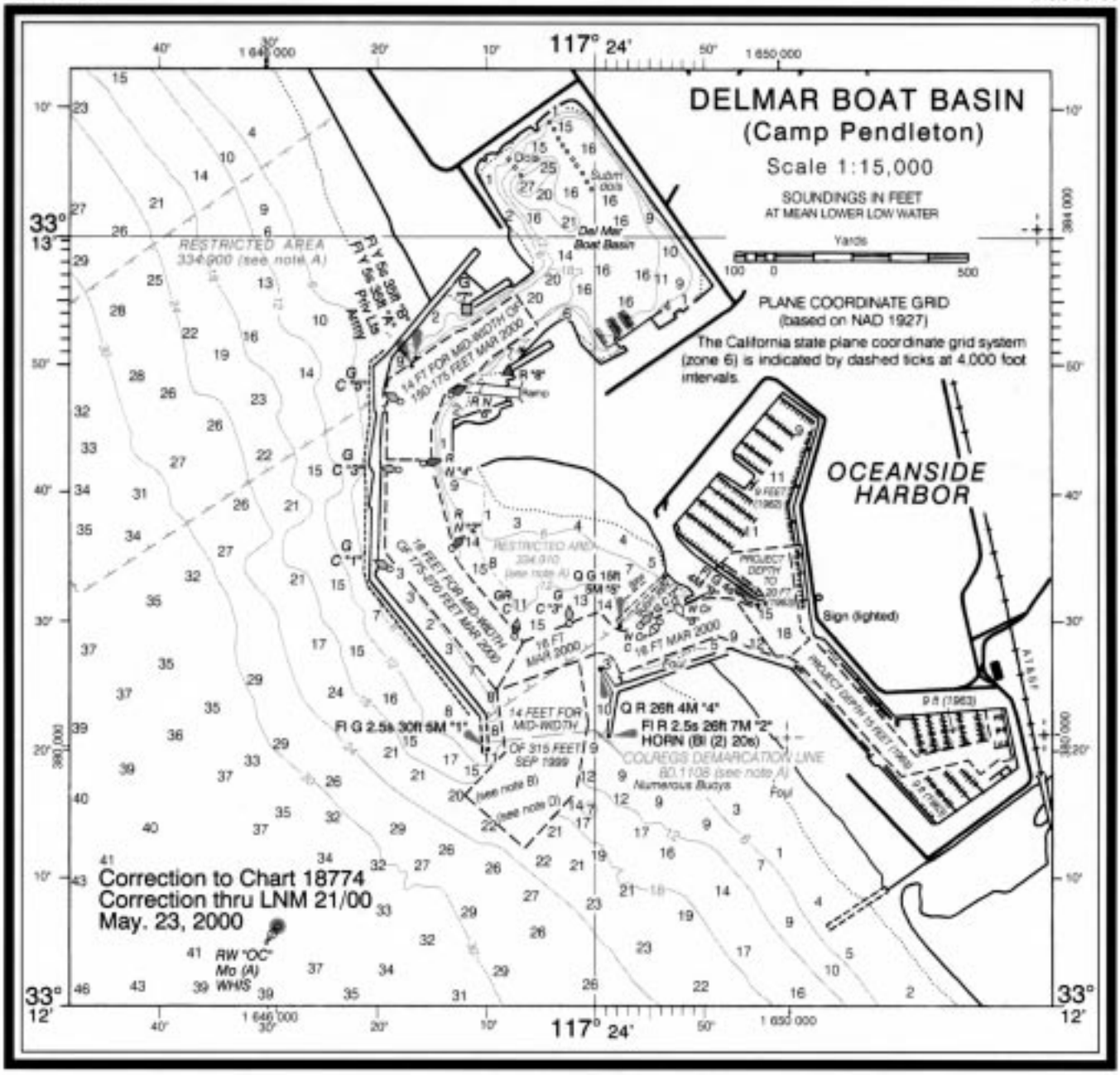


Chart 96720 (Plan) NM 31/00

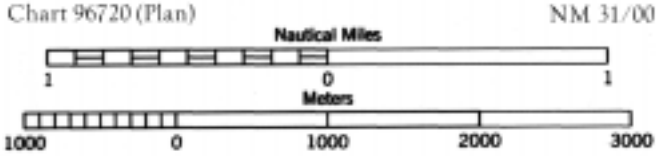


CHART 12274 NM 31/00

CHESAPEAKE AND DELAWARE CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2000

* SEE FOOTNOTE					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH * (MILES)	DEPTH * (FEET)
3400 YARDS SOUTH OF POOLES ISLAND TO THE SOUTH END OF POOLES ISLAND	39.3	39.3	38.8	6-99	450	1.68	35
SOUTH END OF POOLES ISLAND TO WORTON POINT	39.0	37.3	38.8	3-00	450	4.16	35
WORTON PT. TO HOWELL PT.	38.3	38.2	38.3	4-00	450	4.84	35
HOWELL PT. TO GROVE PT.	38.9	40.4	37.9	7-99	450	3.37	35
GROVE PT. TO TURKEY PT.	35.5	37.7	36.3	3-00	450	3.40	35
TURKEY PT. TO OLD TOWN POINT WHARF	37.1	38.8	38.3	3-00	450	5.45	35
OLD TOWN PT. WHARF TO COURTHOUSE PT.	37.3	37.5	37.4	3-00	450	1.63	35
COURTHOUSE PT. TO CHESAPEAKE CITY BRIDGE	35.8	31.8	31.5	5-00	450	3.69	35
CHESAPEAKE CITY BRIDGE TO BETHEL	33.0	32.9	32.7	5-00	450	1.51	35

* CONTROLLING CHANNEL DEPTHS IN FEET AT LOCAL MEAN LOWER LOW WATER ENTERING FROM CHESAPEAKE BAY. PROJECT LENGTHS IN NAUTICAL MILES.

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

CHART 12277 NM 31/00

CHESAPEAKE AND DELAWARE CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2000

* SEE FOOTNOTE					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH * (MILES)	DEPTH * (FEET)
TURKEY POINT TO OLD TOWN POINT WHARF	37.1	38.8	38.3	3-00	450	5.45	35
OLD TOWN POINT WHARF TO COURTHOUSE POINT	37.3	37.5	37.4	3-00	450	1.63	35
COURTHOUSE PT. TO CHESAPEAKE CITY BRIDGE	35.8	31.8	31.5	5-00	450	3.69	35
CHESAPEAKE CITY BRIDGE TO BETHEL	33.0	32.9	32.7	5-00	450	1.51	35
BETHEL TO GUTHRIE BRANCH	32.2	34.2	35.6	5-00	450	1.13	35
GUTHRIE BRANCH TO SUMMIT BRIDGE	35.6	31.7	31.1	5-00	450	1.02	35
SUMMIT BRIDGE TO CONRAIL BRIDGE	35.5	32.8	32.1	5-00	450	1.65	35
CONRAIL BRIDGE TO ST. GEORGES BRIDGE	32.9	34.6	34.6	5-00	450	2.57	35
ST. GEORGES BRIDGE TO BIDDLE POINT	37.0	35.5	33.9	5-00	450	1.58	35
BIDDLE POINT TO REEDY POINT BRIDGE	33.8	35.4	35.9	4-00	450	1.66	35
REEDY POINT BRIDGE TO DELAWARE RIVER	34.9	35.4	34.6	4-00	450	1.63	35

* CONTROLLING CHANNEL DEPTHS IN FEET AT LOCAL MEAN LOWER LOW WATER ENTERING FROM CHESAPEAKE BAY. PROJECT LENGTHS ARE GIVEN IN NAUTICAL MILES UNLESS OTHERWISE INDICATED.

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

CHART 12278 NM 31/00

CHESAPEAKE AND DELAWARE CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2000

* SEE FOOTNOTE					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH * (MILES)	DEPTH * (FEET)
3400 YARDS SOUTH OF POOLES ISLAND TO THE SOUTH END OF POOLES ISLAND	39.3	39.3	39.8	6-99	450	1.68	35
SOUTH END OF POOLES ISLAND TO WORTON POINT	39.0	37.3	38.6	3-00	450	4.16	35
WORTON PT. TO HOWELL PT.	38.3	38.2	38.3	4-00	450	4.84	35

* CONTROLLING CHANNEL DEPTHS IN FEET AT LOCAL MEAN LOWER LOW WATER ENTERING FROM CHESAPEAKE BAY. PROJECT LENGTHS IN NAUTICAL MILES.

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

CHART 12369 NM 31/00

BRIDGEPORT AND BLACK ROCK HARBORS-CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 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	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BRIDGEPORT ENTRANCE CHANNEL	30.0	31.1	29.3	7-97,3-00	400	2.5	35
BRIDGEPORT REACH	25.0	26.5	24.4	1,2,3-00	400-600	0.9	35
PEQUONNOCK RIVER							
LOWER REACH	A10.9	13.9	10.9	11-92	69-300	0.5	18
UPPER REACH	B 8.9	C 8.0	D 9.0	11-92	69-125	0.4	18
JOHNSONS CREEK							
ENTRANCE CHANNEL	11.2	11.1	E 6.7	7-90	200-350	0.7	15
NEWFIELD REACH	9.0	8.5	8.8	7-90	100	0.2	9
YELLOW MILL CHANNEL							
LOWER REACH	11.3	15.2	10.8	7-90	200-100	0.3	18
MIDDLE REACH	13.7	16.1	14.4	7-90	200-100	0.3	18
UPPER REACH	F 12.1	G13.2	2.4	7-90	150	0.3	18
BLACK ROCK ENTRANCE CHANNEL	11.0	14.1	14.7	11-91	150	1.1	18
BLACK ROCK REACH	9.9	14.2	10.4	11-91	150	0.6	18
CEDAR CREEK CHANNEL	13.8	15.6	15.0	11-91	200-150	0.4	18
WEST BRANCH	14.8	15.1	15.0	11-91	100	0.3	18
EAST BRANCH	H 15.9	H 16.3	H 15.5	11-91	100	0.2	18

A. EXCEPT FOR SHOALING TO 3.6 FEET NEAR WEST CHANNEL LIMIT ABOUT 450-580 FEET UPSTREAM FROM THE ROUTE 95 HIGHWAY BRIDGE; AND SCATTERED SHOALING TO 4.2 FEET NEAR WEST CHANNEL LIMIT 350-450 FEET UPSTREAM OF CONGRESS STREET BRIDGE.

B. EXCEPT FOR SCATTERED SHOALING TO 3.3 FEET WITHIN 30 FEET OF WEST LIMIT NEAR UPSTREAM END OF THE PROJECT.

C. EXCEPT FOR SCATTERED SHOALING TO 2.8 FEET WITHIN 60 FEET OF WEST LIMIT ABOUT 300 FEET FROM THE PROJECT.

D. EXCEPT FOR SCATTERED SHOALING TO 2.2 FEET WITHIN 30 FEET OF EAST LIMIT ABOUT 300 FEET FROM THE END OF PROJECT.

E. EXCEPT FOR SHOALING TO 3.3 FEET 41°09'56.0"N, 73°10'02.3"W.

F. EXCEPT FOR SHOALING TO 0.1 FEET AT THE UPSTREAM END OF THE PROJECT.

G. EXCEPT FOR SHOALING TO 4.3 FEET AT THE UPSTREAM END OF THE PROJECT.

H. EXCEPT FOR SHOALING TO 5.6 FEET THE LAST 200 FEET OF THE CHANNEL.

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

CHART 18649 NM 31/00

OAKLAND OUTER AND INNER HARBORS

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	40.1	41.8	42.3	A39.3	2-00	1000-930	0.57	42
OUTER HARBOR ENTRANCE CHANNEL	41.7	42.2	42.1	40.8	2-00	900-800	0.91	42
OUTER HARBOR	40.1	40.3	41.2	B39.7	2-00	1575-680	1.40	42
INNER HARBOR								
ENTRANCE CHANNEL	41.0	41.1	41.6	40.9	2-00	2100-480	1.10	42
INNER HARBOR REACH	C36.4	40.9	40.5	40.1	2-00	1325-480	2.27	42
GROVE ST PIER TO								
BROOKLYN BASIN	D22.9	33.5	34.5	E25.3	2-96;1-97;8,9-99	800	1.30	42
BROOKLYN BASIN SOUTH CHANNEL	F19.5	25.2	24.7	G11.9	3,4-98;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 41.4 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
B. A DEPTH OF 41.7 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
C. A DEPTH OF 41.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
D. A DEPTH OF 34.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
E. A DEPTH OF 34.1 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
F. A DEPTH OF 24.9 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
G. 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 18649 NM 31/00

RICHMOND HARBOR AND SOUTHAMPTON SHOAL 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)
SOUTHAMPTON SHOAL CHANNEL	43.2	43.2	43.9	43.3	1-00	600	1.1	45
RICHMOND HARBOR								
ENTRANCE CHANNEL	35.9	37.2	37.0	37.1	1,2-00	600-550	1.0	35
POINT POTRERO REACH	35.6	37.1	37.0	35.6	1,2-00	500-600	1.4	35
POINT POTRERO TURN	36.3	36.5	36.0	35.8	1,2-00	600-1250	0.6	35
HARBOR CHANNEL	37.2	36.6	37.2	36.6	1,2-00	850-200	0.5	35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	1-99	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 18653 NM 31/00

RICHMOND HARBOR AND SOUTHAMPTON SHOAL 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)
SOUTHAMPTON SHOAL CHANNEL	43.2	43.2	43.9	43.3	1-00	600	1.1	45
RICHMOND HARBOR								
ENTRANCE CHANNEL	35.9	37.2	37.0	37.1	1,2-00	600-550	1.0	35
POINT POTRERO REACH	35.6	37.1	37.0	35.6	1,2-00	500-600	1.4	35
POINT POTRERO TURN	36.3	36.5	36.0	35.8	1,2-00	600-1250	0.6	35
HARBOR CHANNEL	37.2	36.6	37.2	36.6	1,2-00	850-200	0.5	35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	1-99	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 19364 NM 31/00

HONOLULU HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 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)
HONOLULU CHANNEL RANGE	40.0	42.0	46.0	44.0	5-96	500	0.53	45
KALIHI CHANNEL ENTRANCE	34.0	33.0	33.0	A14.0	3-99	400	1.2	23
EMERGENCY TURNING BASIN	A28.0	34.0	34.0	27.0	2,3-99	400-960	0.5	35

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

CHART 19367 NM 31/00

HONOLULU HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 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)
HONOLULU CHANNEL RANGE	40.0	42.0	46.0	44.0	5-96	500	0.53	45
KALIHI CHANNEL ENTRANCE	34.0	33.0	33.0	A14.0	3-99	400	1.2	23
EMERGENCY TURNING BASIN	A28.0	34.0	34.0	27.0	2,3-99	400-960	0.5	35

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