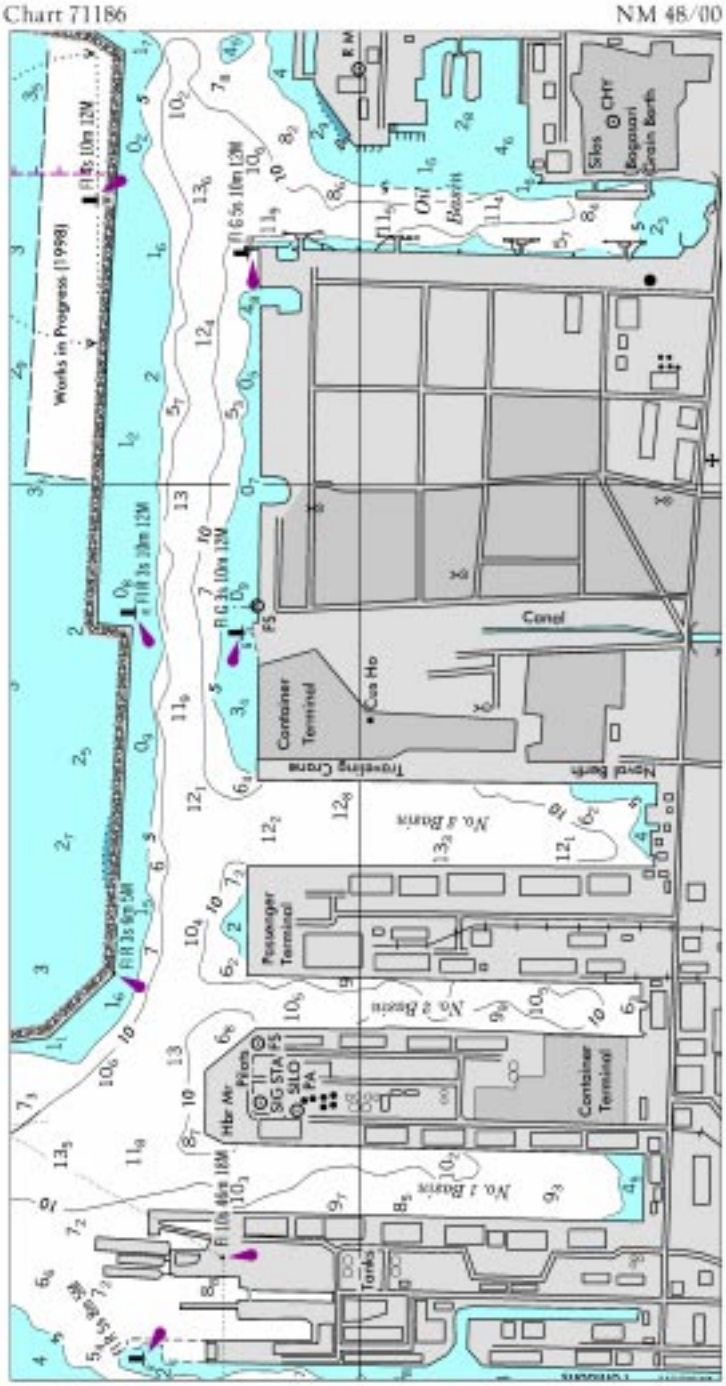


Chart 71186
NM 48/00
Works in Progress (1998)
Oil Basin
Silos
Bogasari Grain Berth
Canal
Container Terminal
Traveling Crane
Naval Berth
No. 3 Basin
Passenger Terminal
No. 2 Basin
Container Terminal
No. 1 Basin
Tanks

Chart 72080 (A) NM 48/00

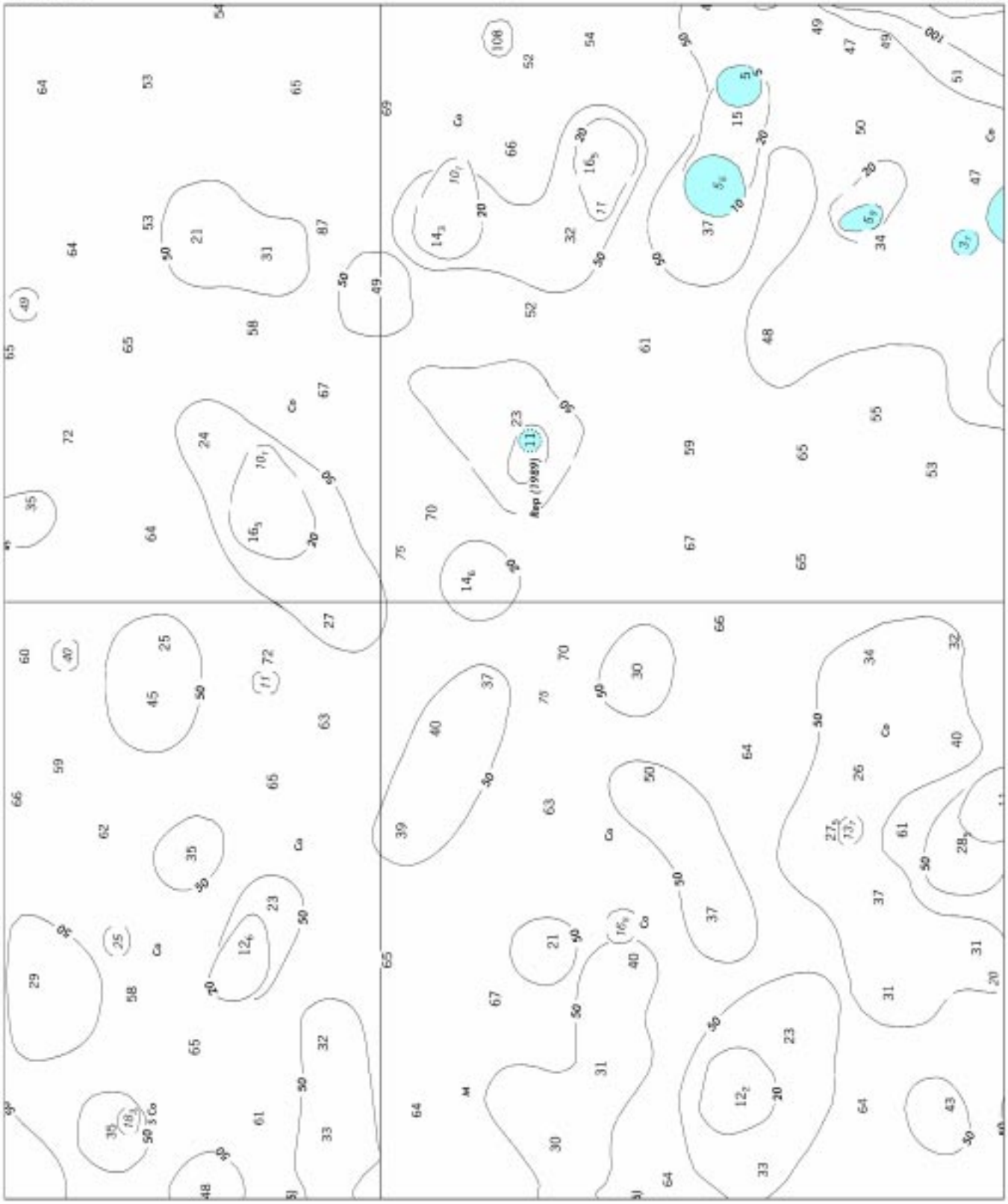


Chart 72080 (B) NM 48/00

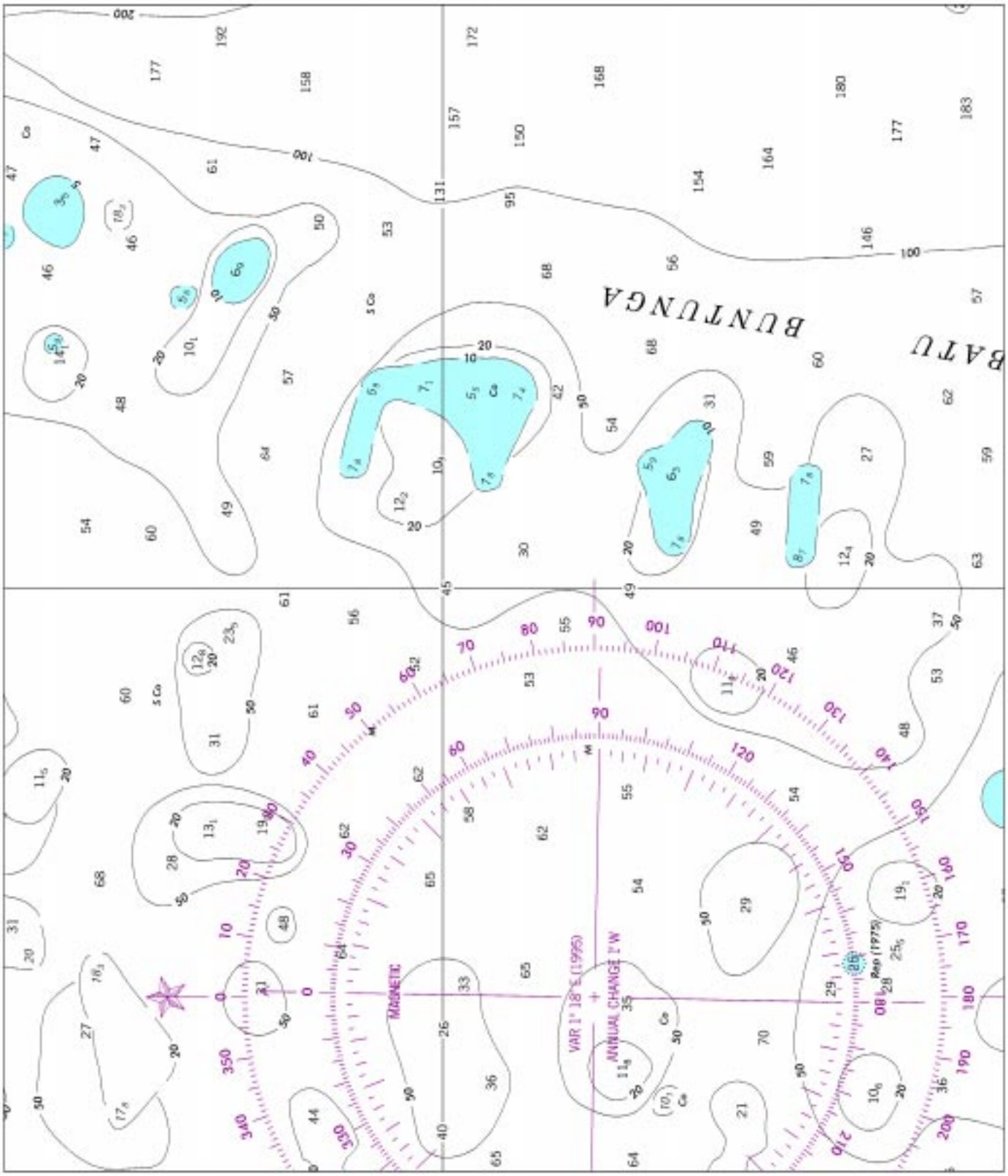
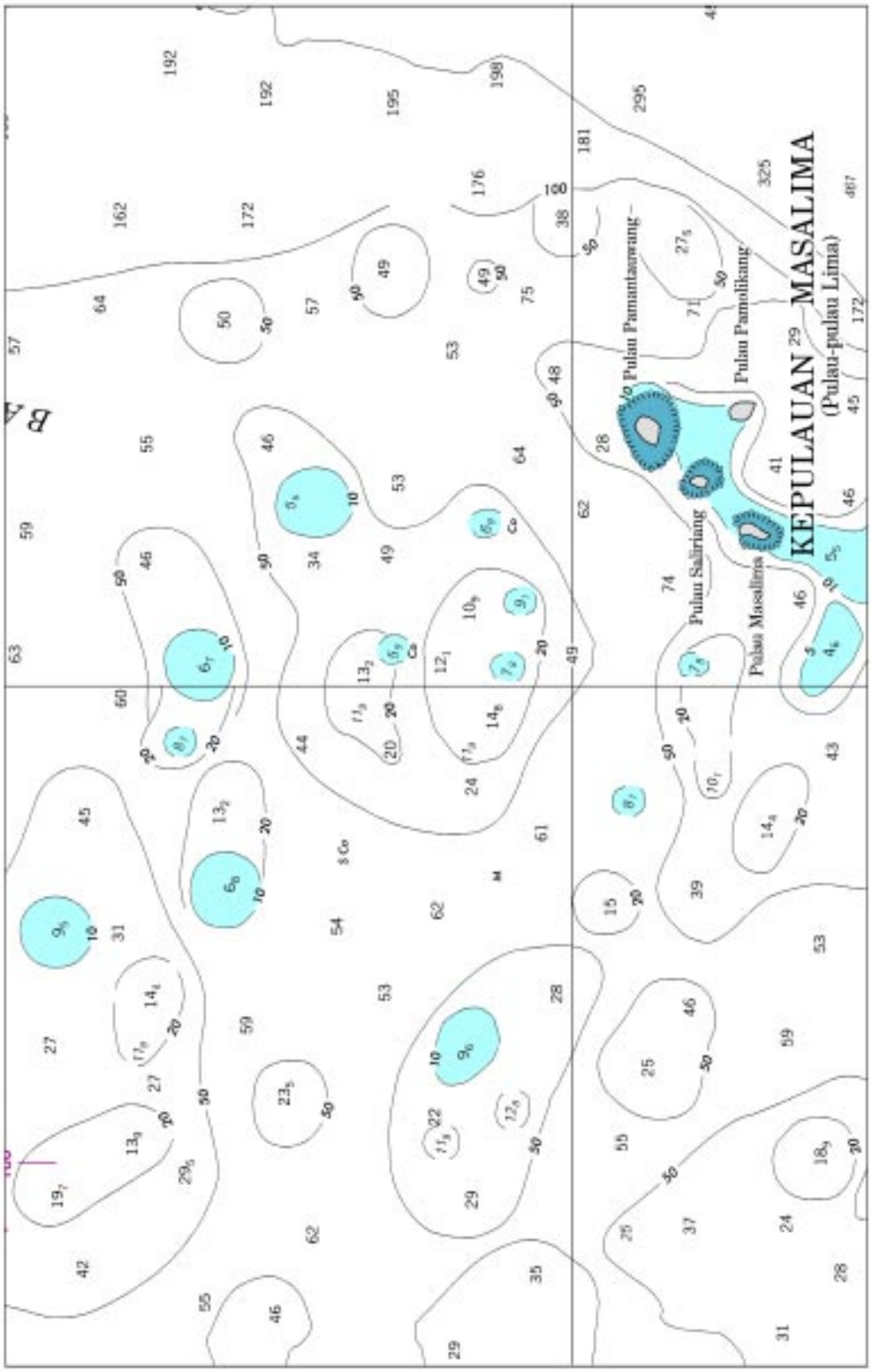


Chart 72080 (C) NM 48/00



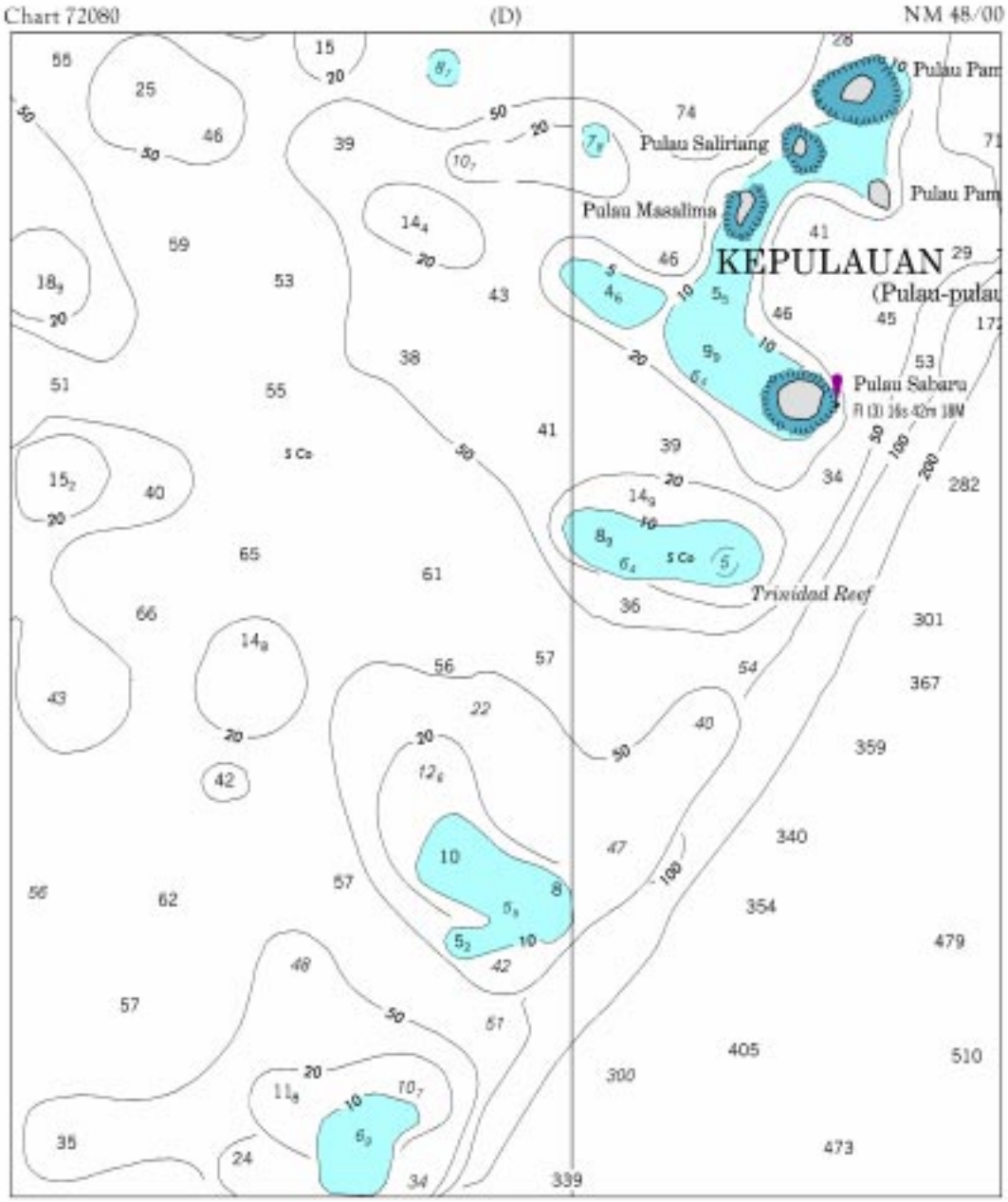


Chart 72080
(D)
NM 48/00
Pulau Pam
Pulau Saliriang
Pulau Pam
Pulau Masalima
KEPULAUAN
(Pulau-pulau
Pulau Sabaru
Trinidad Reef

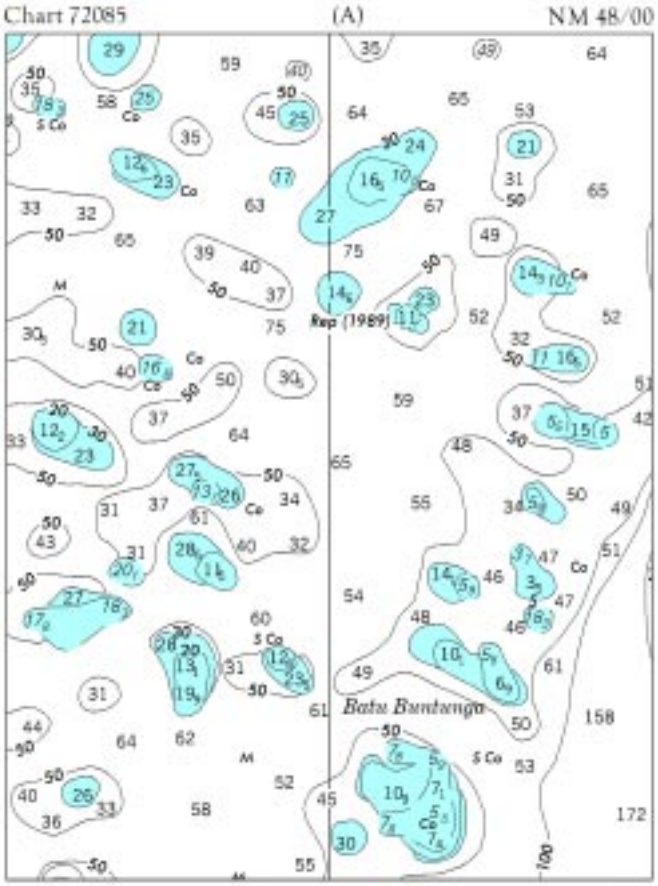


Chart 72085
(A)
NM 48/00
Batu Buntungo

Chart 72085 (B) NM 48/00

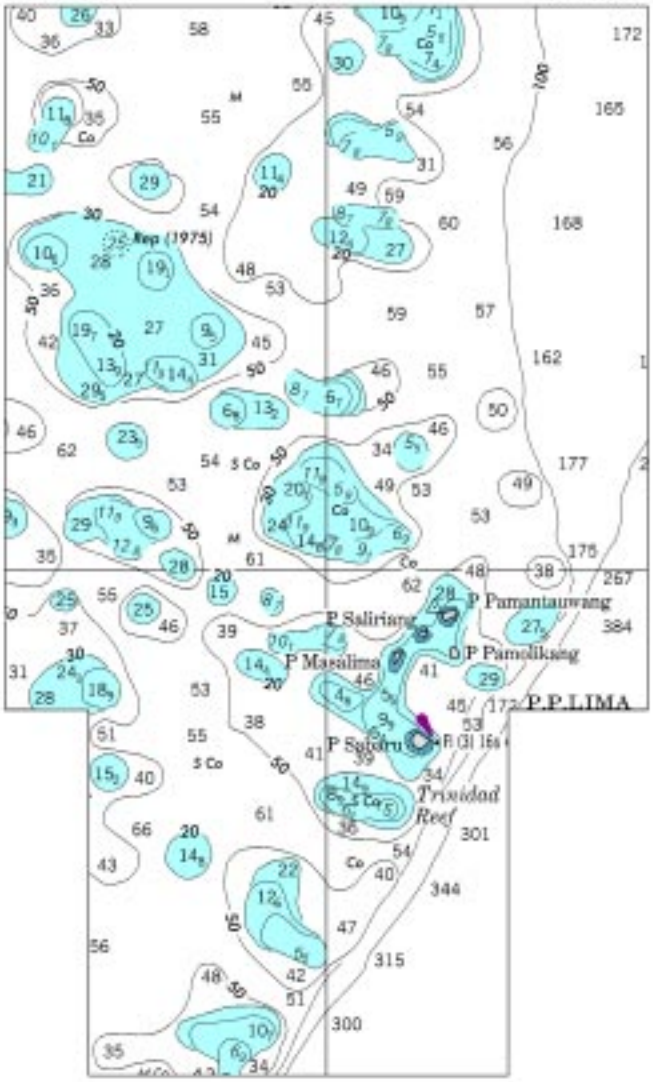


Chart 14812 NM 48/00

WARNING
LOW FLYING AIRCRAFT

Due to the hazard ships present to low flying aircraft in the approaches to Toronto City Centre Airport (TCCA); the following precautions are in place:

1. Navigation is prohibited within the areas marked by buoys EKO-01 to EKO-14, and WKO-01 to WKO-10. Only those buoys that fall on the corners of the areas are charted.
2. Vessels over 60 feet in height are prohibited from navigating between buoys EKO-15, EKO-16 and the eastern prohibited area.
3. Vessels over 60 feet in height will be under positive control of TCCA in the Western Gap Channel between buoys "1" and "1T14". TCCA must be contacted on channel 12 upon arrival at those buoys.

Chart 12251 (Side B) NM 48/00

JAMES RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2000 AND SURVEYS TO FEB 2000

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)

NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
HOPEWELL TO RICHMOND			
DEEPWATER TERMINAL 37°27'05.0"N, 77°25'07.4"W	22.8	200	2-00
CHANNEL ADJOINING TURNING BASIN	22.6	200	2-00
TURNING BASIN	24.7	385	2-00
THENCE TO RICHMOND			
HARBOR TURNING BASIN	16.9	200	10-99, 2-00
TURNING BASIN	16.6	140-175	10-99
THENCE TO 37°31'29.0"N, 77°25'14.5"W	17.8	200	10-99

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE

Chart 12273 NM 48/00

CHESAPEAKE AND DELAWARE CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 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	38.7	39.2	37.5	6-00	400	1.68	35
SOUTH END OF POOLES ISLAND TO WORTON POINT	38.4	39.8	35.3	6-00	400	4.16	35
WORTON PT. TO HOWELL PT.	38.7	38.3	37.3	6-00	400	4.84	35
HOWELL PT. TO GROVE PT.	38.6	40.5	37.6	6-00	400	3.37	35
GROVE PT. TO TURKEY PT.	35.5	37.7	36.3	3-00	400	3.40	35
TURKEY PT. TO OLD TOWN POINT WHARF	37.1	38.8	38.3	3-00	400	5.45	35
OLD TOWN PT. WHARF TO COURTHOUSE PT.	37.3	37.5	37.4	3-00	400	1.63	35
COURTHOUSE PT. TO CHESAPEAKE CITY BRIDGE	35.8	31.8	31.5	5-00	400	3.69	35
CHESAPEAKE CITY BRIDGE TO BETHEL	33.0	32.9	32.7	5-00	400	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 12274 NM 48/00

CHESAPEAKE AND DELAWARE CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 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	38.7	39.2	37.5	6-00	400	1.68	35
SOUTH END OF POOLES ISLAND TO WORTON POINT	38.4	39.8	35.3	6-00	400	4.16	35
WORTON PT. TO HOWELL PT.	38.7	38.3	37.3	6-00	400	4.84	35
HOWELL PT. TO GROVE PT.	38.6	40.5	37.6	6-00	400	3.37	35
GROVE PT. TO TURKEY PT.	35.5	37.7	36.3	3-00	400	3.40	35
TURKEY PT. TO OLD TOWN POINT WHARF	37.1	38.8	38.3	3-00	400	5.45	35
OLD TOWN PT. WHARF TO COURTHOUSE PT.	37.3	37.5	37.4	3-00	400	1.63	35
COURTHOUSE PT. TO CHESAPEAKE CITY BRIDGE	35.8	31.8	31.5	5-00	400	3.69	35
CHESAPEAKE CITY BRIDGE TO BETHEL	33.0	32.9	32.7	5-00	400	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 48/00

CHESAPEAKE AND DELAWARE CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 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	400	5.45	35
OLD TOWN POINT WHARF TO COURTHOUSE POINT	37.3	37.5	37.4	3-00	400	1.63	35
COURTHOUSE PT. TO CHESAPEAKE CITY BRIDGE	35.8	31.8	31.5	5-00	400	3.69	35
CHESAPEAKE CITY BRIDGE TO BETHEL	33.0	32.9	32.7	5-00	400	1.51	35
BETHEL TO GUTHRIE BRANCH	32.2	34.2	35.6	5-00	400	1.13	35
GUTHRIE BRANCH TO SUMMIT BRIDGE	35.6	31.7	31.1	5-00	400	1.02	35
SUMMIT BRIDGE TO CONRAIL BRIDGE	35.5	32.8	32.1	5-00	400	1.65	35
CONRAIL BRIDGE TO ST. GEORGES BRIDGE	32.9	34.6	34.6	5-00	400	2.57	35
ST. GEORGES BRIDGE TO BIDDLE POINT	37.0	35.5	33.9	5-00	400	1.58	35
BIDDLE POINT TO REEDY POINT BRIDGE	33.8	35.4	35.9	4-00	400	1.68	35
REEDY POINT BRIDGE TO DELAWARE RIVER	34.9	35.4	34.6	4-00	400	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 48/00

CHESAPEAKE AND DELAWARE CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 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	38.7	39.2	37.5	6-00	400	1.68	35
SOUTH END OF POOLES ISLAND TO WORTON POINT	38.4	39.8	36.3	6-00	400	4.16	35
WORTON PT. TO HOWELL PT.	38.7	38.3	37.3	6-00	400	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 12311 NM 48/00

CHRISTINA RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2000 AND SURVEYS TO AUG 2000

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH (FEET)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	36.7	36.1	35.9	8-00	500-340	0.70	38
THENCE TO THE LOBDELL CANAL	35.8	33.1	33.7	8-00	400	0.33	35
TURNING BASIN (OPPOSITE TERMINAL WHARF)	37.1	37.1	37.1	8-00	320	0.34	38

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

Chart 12312 NM 48/00

CHRISTINA RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2000 AND SURVEYS TO AUG 2000

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH (FEET)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	36.7	36.1	35.9	8-00	500-340	0.70	38
THENCE TO THE LOBDELL CANAL	35.8	33.1	33.7	8-00	400	0.33	35
TURNING BASIN (OPPOSITE TERMINAL WHARF)	37.1	37.1	37.1	8-00	320	0.34	38

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

Chart 12313 NM 48/00

SCHUYLKILL RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2000

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT SCHUYLKILL RIVER DATUM					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (FEET)
1	33.0	33.0	35.3	3-00, 9-00	400	0.32	33
2	33.6	32.4	32.5	9-00	400	0.34	33
3	30.6	33.3	32.5	8-00	400	0.18	33
4	32.2	33.5	32.4	8-00	400	0.11	33
5	33.1	33.6	31.8	8-00	300	0.30	33
6	34.1	33.1	30.5	8-00	325	0.21	33
7	32.6	30.3	24.6	8-00	300	0.31	33
8	33.0	30.0	24.8	9-00	300	0.15	33
9	32.8	31.8	28.8	9-00	300	0.31	33
10	33.6	35.8	34.7	9-00	325	0.09	33
11	32.4	34.5	35.8	9-00	350	0.05	33
12	32.0	34.7	35.0	9-00	350	0.05	33
13	29.4	31.5	34.2	9-00	325	0.07	33
14	21.6	31.0	34.6	9-00	300	0.14	33
15	19.5	28.3	34.1	9-00	325	0.08	33
16	20.1	26.9	33.5	9-00	350	0.08	33
17	28.0	29.6	32.7	9-00	325	0.06	33
18	16.1	20.7	32.8	3-00	300	0.45	33
19	21.3	31.0	31.9	3-00	200	0.08	33-26
20	28.6	29.7	25.1	3-00	250	0.05	26
21	30.0	23.2	20.3	3-00	250	0.04	26
22	26.0	23.2	19.7	3-00	250	0.06	26
23	23.2	17.9	14.7	3-00	200	0.21	26
24	30.6	21.5	15.9	3-00	250	0.06	26
25	29.2	18.4	15.0	3-00	250	0.09	26
26	27.7	17.0	11.2	3-00	250	0.09	26
27	25.7	17.6	12.5	3-00	225	0.12	26
28	19.7	15.2	13.2	3-00	200	0.10	26
29	14.2	14.9	13.4	8-97, 3-00	200	0.23	26-22
30	14.2	15.7	17.0	8-97	200	0.30	22
31	27.4	25.0	14.4	8-97	200	0.10	22
32	22.4	15.0	11.5	8-97	200	0.26	22
33	22.9	13.0	7.5	8-97	200	0.10	22
34	20.5	17.6	13.8	8-97	250	0.07	22
35	21.2	18.0	12.9	8-97	250	0.08	22
36	22.4	17.6	14.4	8-97	250	0.08	22
37	21.6	21.3	19.6	8-97	250	0.06	22
38	15.7	20.4	21.8	8-97	225	0.13	22

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

Chart 94440 NM 48/00

CHENGSHAN JIAO
MANDATORY SHIP REPORTING SYSTEM

Cargo ships of 300 gross tonnage and above, fishing vessels with a length of 24 meters and above, and passenger ships are required to participate in the Ship Reporting System off Chengshan Jiao. See Sailing Directions for details.