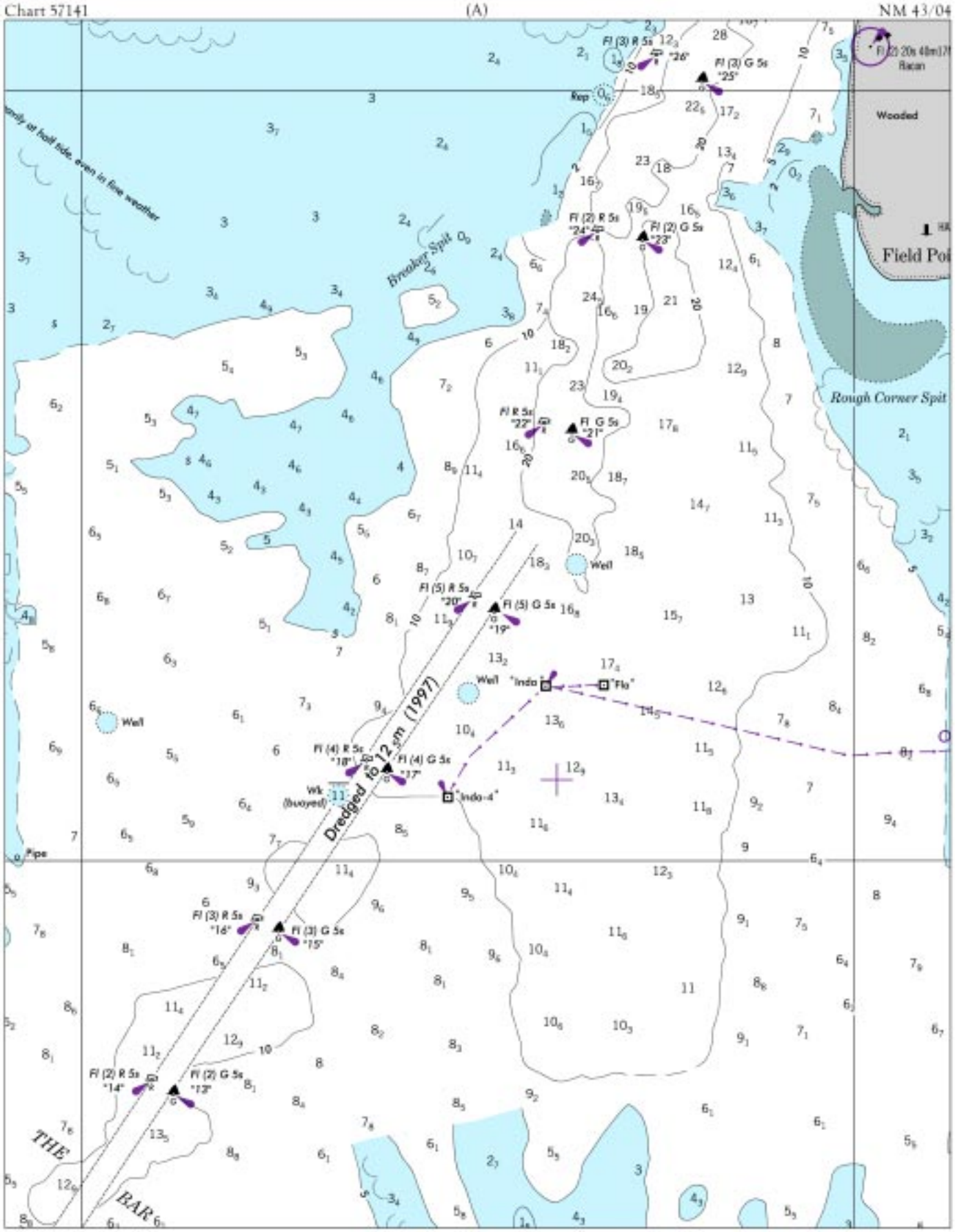
Chart 57141
(A)
NM 43/04
Fl (3) R 5s "26"
Fl (3) G 5s "25"
Rep
Wooded
Field Pol
Fl (2) R 5s "24"
Fl (2) G 5s "23"
Breaker Spit
Rough Corner Spit
Fl R 5s "27"
Fl G 5s "21"
Well
Fl (5) R 5s "20"
Fl (5) G 5s "19"
"Indo"
"Flo"
Dredged to 12 sm (1997)
Fl (4) R 5s "18"
Fl (4) G 5s "17"
Wk (buoyed)
"Indo-4"
Pipe
Fl (3) R 5s "16"
Fl (3) G 5s "15"
Fl (2) R 5s "14"
Fl (2) G 5s "13"
THE BAR

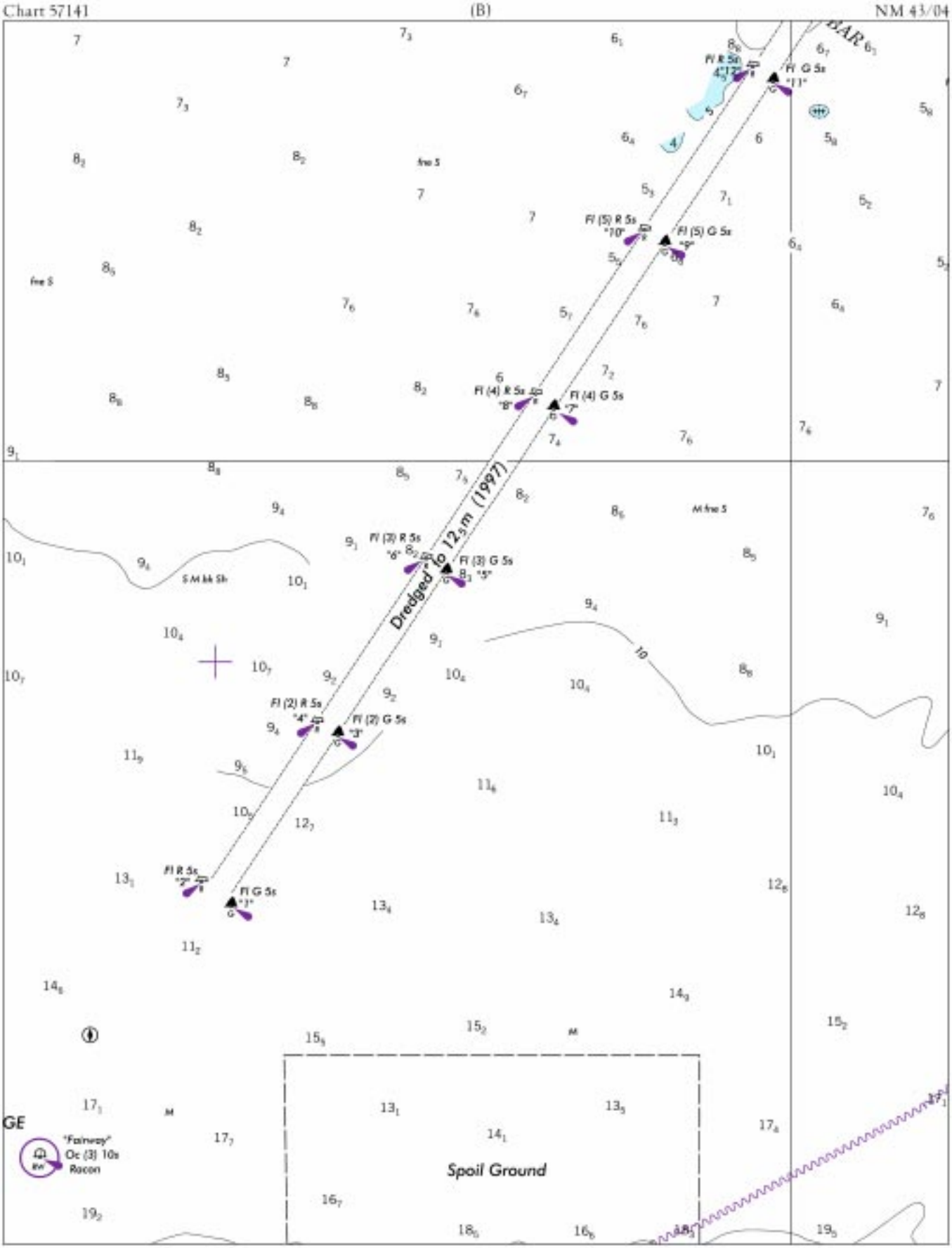
Chart 57141
(B)
NM 43/04
Fl R 5s "12"
Fl G 5s "11"
Fl (5) R 5s "10"
Fl (5) G 5s "9"
Fl (4) R 5s "8"
Fl (4) G 5s "7"
Dredged to 12.5 m (1997)
Fl (3) R 5s "6"
Fl (3) G 5s "5"
Fl (2) R 5s "4"
Fl (2) G 5s "3"
Fl R 5s "2"
Fl G 5s "1"
"Fairway" Oc (3) 10s Racon
Spoil Ground

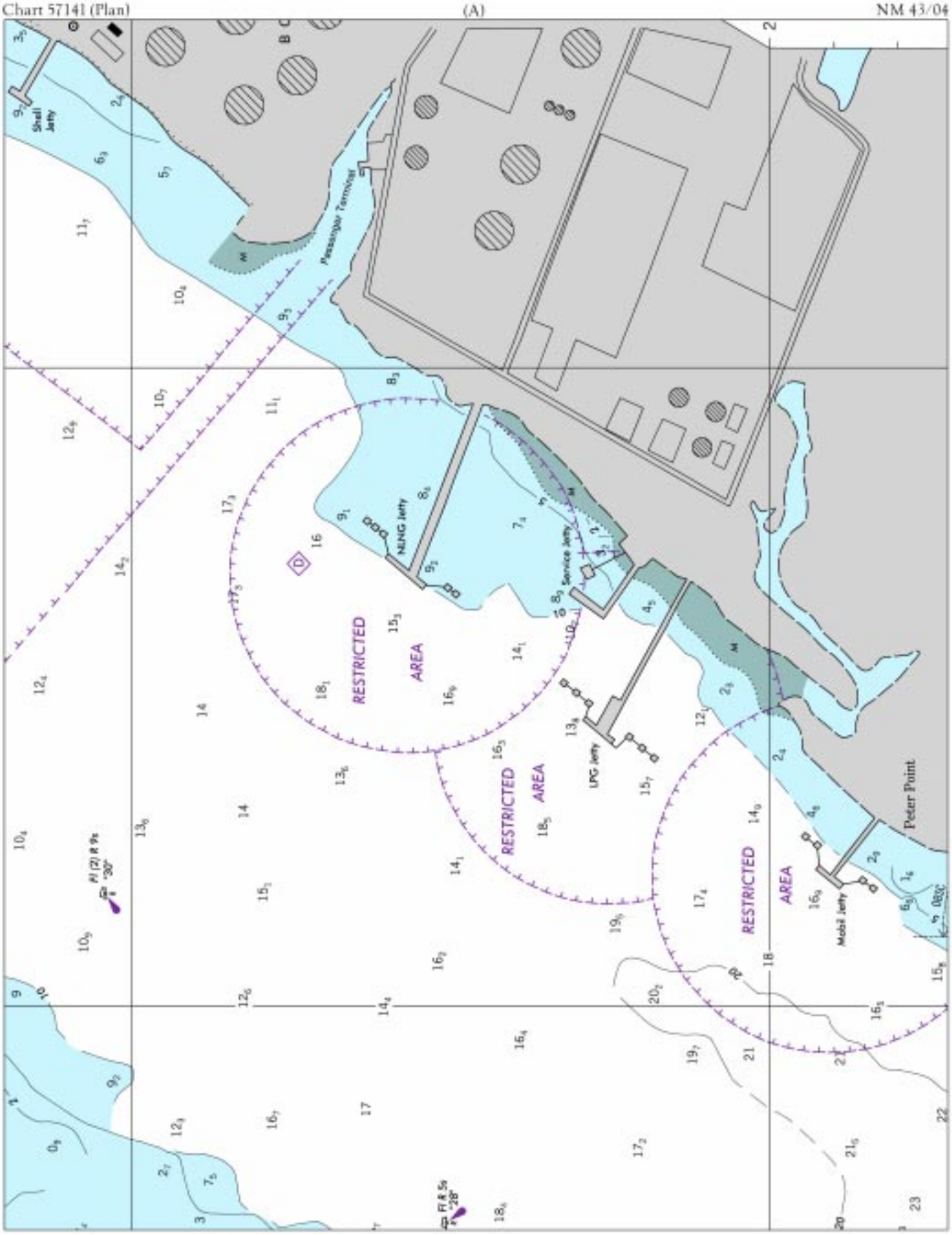
Chart 57141 (Plan)
(A)
NM 43/04
Shell Jetty
Passenger Terminal
NLNG Jetty
Service Jetty
RESTRICTED AREA
RESTRICTED AREA
RESTRICTED AREA
LPG Jetty
Mobil Jetty
Peter Point

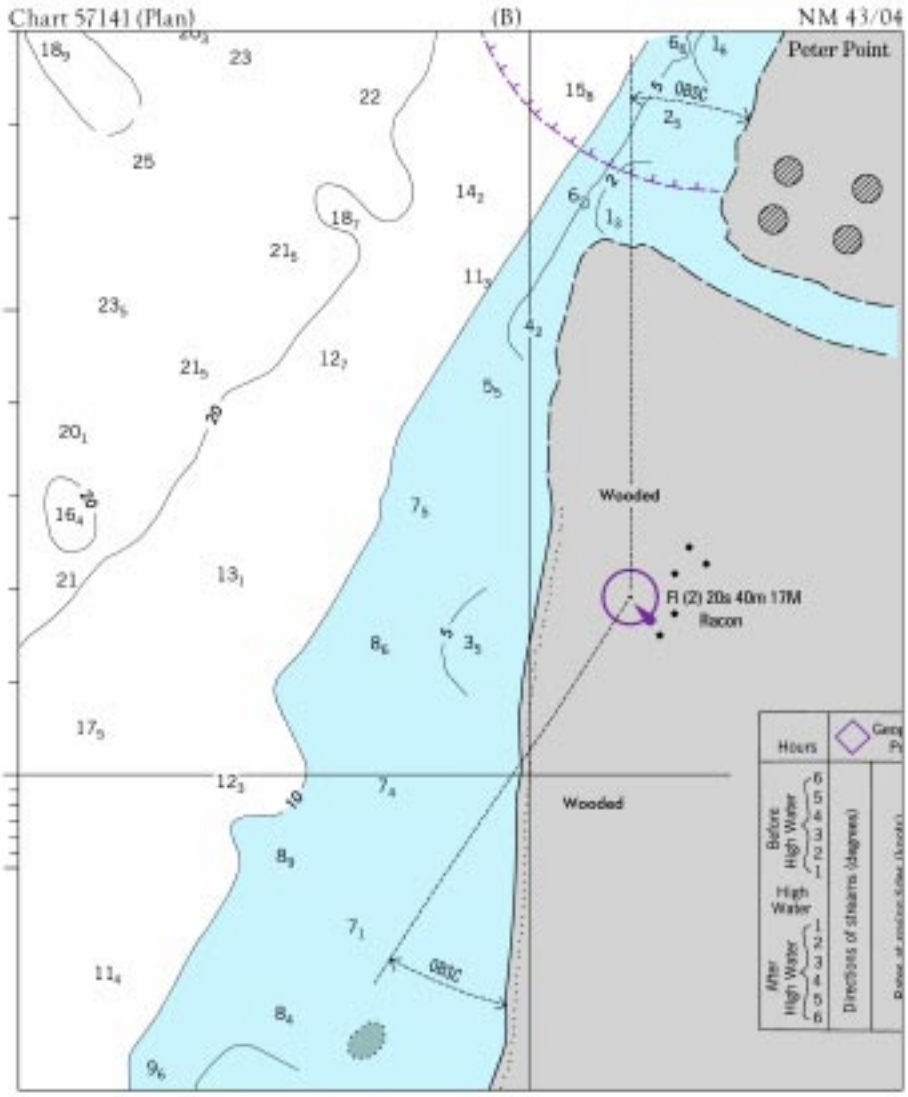
Chart 57141 (Plan)
(B)
NM 43/04
Peter Point
Wooded
Wooded
Fl (2) 20s 40m 17M
Racon
088C
088C
Hours
Before High Water
High Water
After High Water
Directions of streams (degrees)

Chart 11328 NM 43/04

HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						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)
BOLIVAR ROADS TO LOWER END OF MORGAN POINT	36.0	41.0	42.0	34.0	1-04	400-530	23.4	40
LOWER END OF MORGAN PT. TO EXXON OIL CO. SLIP	37.0	40.0	42.0	38.0	6-04	400-525	4.2	40

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.

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

Chart 11389 NM 43/04

PORT ST. JOE AND PANAMA CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2004

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 ST. JOE HARBOR							
ENTRANCE CHANNEL	26.3	29.3	29.3(A)	6-04	300-500	8.0	35-37
NORTH CHANNEL	26.6	26.8	26.8	6-04	300	4.1	35
TURNING BASIN	26.2	26.6	26.2	6-04	650	0.3	32
HARBOR CHANNEL	25.8	25.4	26.2	6-04	250	0.3	35
PANAMA CITY HARBOR							
ENTRANCE CHANNEL	35.7	36.0	36.0	6-04	450-300	2.1	38-36

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

A.Shoaling to 1 foot between 29°52'58"N/85°23'05"W(Buoy#14) and 29°52'30"N/85°23'03"W(Buoy#16).

Chart 11393 (Side A) NM 43/04

PORT ST. JOE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2004

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 ST. JOE HARBOR							
ENTRANCE CHANNEL	26.3	29.3	29.3 (A)	6-04	300-500	8.0	35-37
NORTH CHANNEL	26.6	26.8	26.8	6-04	300	4.1	35
TURNING BASIN	26.2	26.6	26.2	6-04	650	0.3	32
HARBOR CHANNEL	25.8	25.4	26.2	6-04	250	0.3	35

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

A. Shoaling to 1 foot between 29°52'58"N/085°23'05"W(Buoy#14) and 29°52'30"N/085°23'03"W(Buoy#16).

Chart 18523 NM 43/04

COLUMBIA RIVER CHANNEL DEPTHS
MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 13, 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD) * 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 (STAT. MILES)	DEPTH CRD (FEET)
MILLER SANDS RANGE	39	41	40	39	7-04	600	2.2	40
PILLAR ROCK LOWER RANGE	38	39	39	38	7-04	600	3.0	40
PILLAR ROCK UPPER RANGE	33	40	40	39	7-04, 8-04	600	1.9	40
WELCH ISLAND REACH	41	42	43	36	8-04	600	3.2	40
SKAMOKAWA CHANNEL	22	42	39	37	7-04	600	3.3	40
STEAMBOAT REACH	48	48	43	40	7-04	600	1.4	40
PUGET ISLAND RANGE AND TURN	40	42	38	34	7-04	600	3.5	40
WAUNA RANGE	37	39	43	40	8-04	600	2.2	40
DRISCOLL RANGE	39	40	41	41	8-04	600	1.7	40
WESTPORT TURN AND RANGE	37	40	41	42	8-04	600	2.0	40
WESTPORT CHANNEL	40	41	40	39	8-04	600	2.4	40
EUREKA LOWER CHANNEL	44	45	42	45	8-04	600	2.1	40
EUREKA UPPER CHANNEL	43	44	43	42	8-04	600	0.8	40
OAK POINT CHANNEL	45	44	43	44	8-04	600	2.4	40
GULL I TURN AND CHANNEL	46	50	40	36	8-04	600	2.2	40

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES TO THE ABOVE INFORMATION

Chart 18652 (Page E) NM 43/04

SUISUN BAY AND SAN JOAQUIN RIVER
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2004

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)
SUISUN PT. REACH	44.3	45.5	47.2	2-03	300	0.8	35
BULLS HEAD CHANNEL	36.4	35.7	34.5	2-03	300-350	1.2	35
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7	2-03	350	1.1	35
PT. EDITH CROSSING RANGE	35.1	34.7	28.2	2-03	350	1.1	35
PRESTON PT. REACH	35.5	35.7	24.4	2-03	350	0.9	35
ROE ISLAND CHANNEL	33.2	35.8	33.0	2-03	350	1.1	35
PORT CHICAGO REACH	38.0	38.0	38.1	2-03	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	37.4	37.7	36.4	2-03	350	1.29	35
EAST REACH	36.4	38.2	36.8	2-03	350	1.09	35
NEW YORK SLOUGH							
WEST REACH	35.1	35.5	34.9	2-03; 7-03	400	1.3	35
EAST REACH	34.4	34.3	35.0	7-03; 4-04	400	1.7	35
SAN JOAQUIN RIVER							
ANTIOCH REACH	32.2	32.6	31.3	4-03	400	3.3	35

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

Chart 18656 NM 43/04

SUISUN BAY

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2004

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)
SUISUN PT. REACH	44.3	45.5	47.2	2-03	300	0.8	35
BULLS HEAD CHANNEL	36.4	35.7	34.5	2-03	300-350	1.2	35
EAST BULLS HEAD CHANNEL	33.4	34.2	33.7	2-03	350	1.1	35
PT. EDITH CROSSING RANGE	35.1	34.7	28.2	2-03	350	1.1	35
PRESTON PT. REACH	35.5	35.7	24.4	2-03	350	0.9	35
ROE ISLAND CHANNEL	33.2	35.8	33.0	2-03	350	1.1	35
PORT CHICAGO REACH	38.0	38.0	38.1	2-03	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	37.4	37.7	36.4	2-03	350	1.29	35
EAST REACH	36.4	38.2	36.8	2-03	350	1.09	35
NEW YORK SLOUGH							
WEST REACH	35.1	35.5	34.9	2-03; 7-03	400	1.3	35
EAST REACH	34.4	34.3	35.0	7-03; 4-04	400	1.7	35

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

Chart 18659 NM 43/04

SUISUN BAY

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2004

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)
NEW YORK SLOUGH							
WEST REACH	35.1	35.5	34.9	2-03, 7-03	400	1.3	35
EAST REACH	34.4	34.3	35.0	7-03, 4-04	400	1.7	35

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