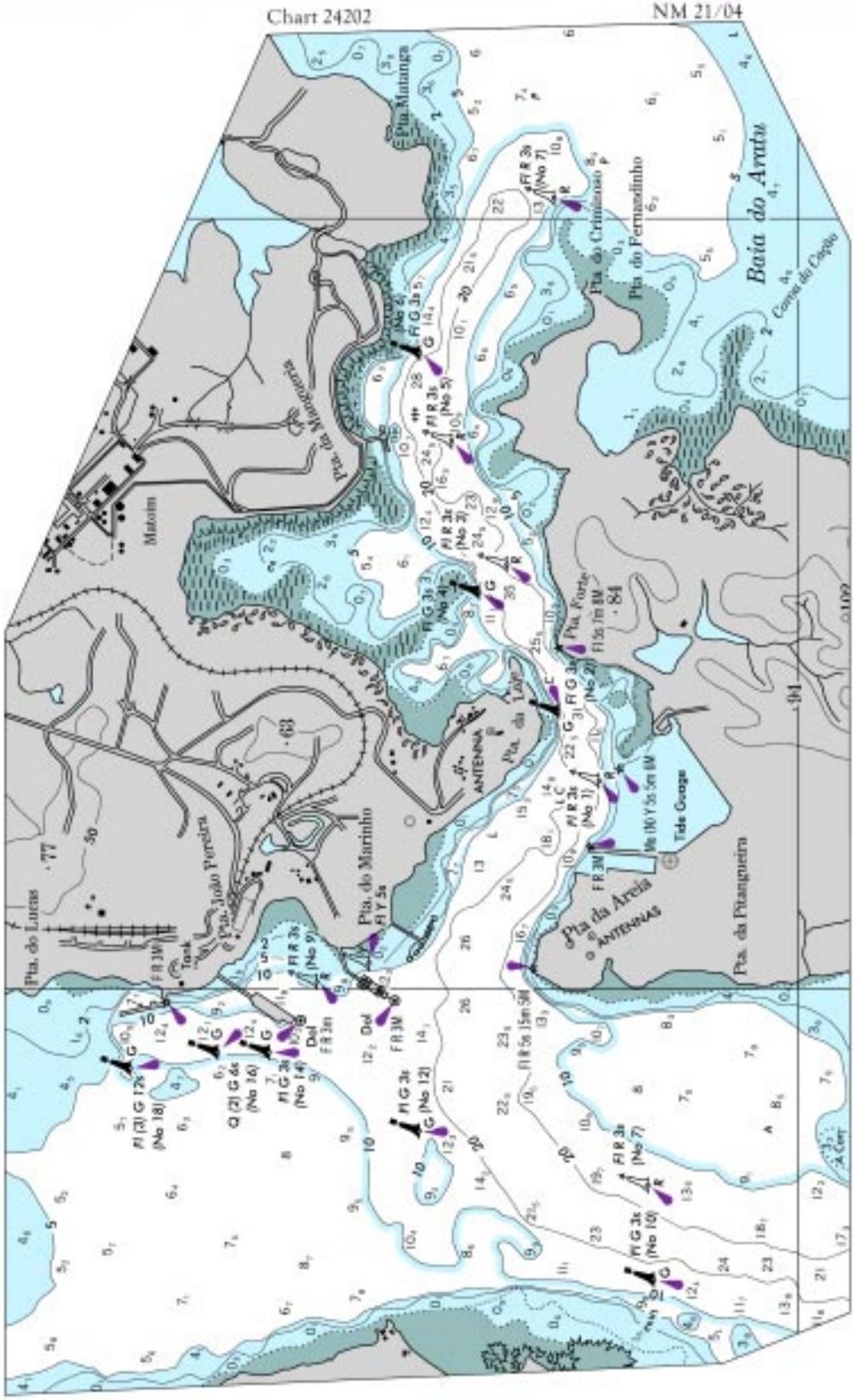


Chart 24202
NM 21/04
Baía do Aratu
Pta. do Fernandinho
Pta. do Criminoso
Pta. Matanga
Pta. da Mangueira
Matoim
Pta. do Marinho
Pta. João Pereira
Pta. do Lucas
Pta. da Areia
Pta. da Pitangueira
Tide Gauge
ANTENNA
ANTENNAS

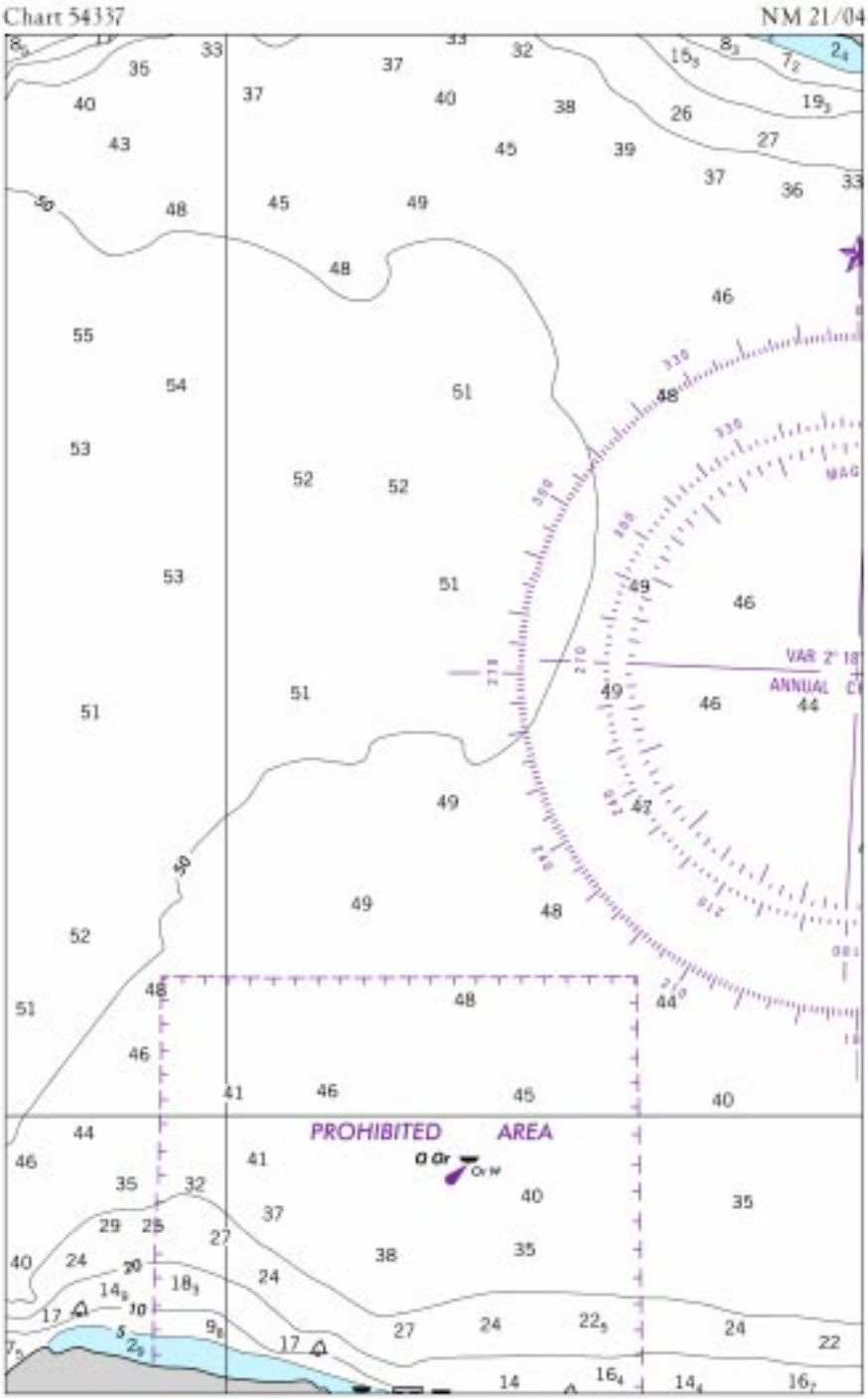


Chart 54337
NM 21/04
PROHIBITED AREA
VAR 2° 18'
ANNUAL

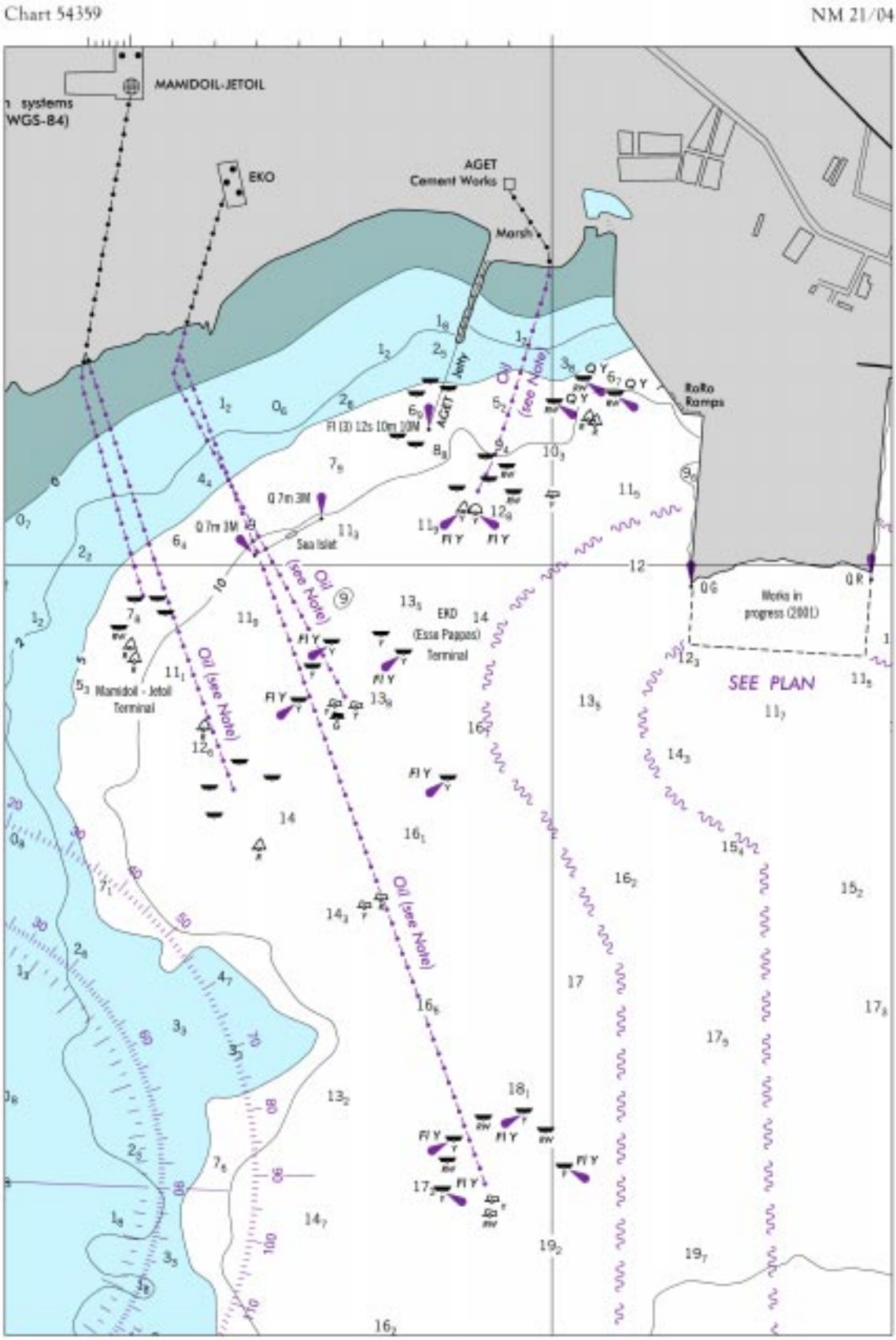


Chart 54359
NM 21/04
MAMIDOIL-JETOIL
EKO
AGET
Cement Works
Marsh
Jetty
Oil (see Note)
Fl (3) 12s 10m 10M
Q 7m 3M
Sea Islet
Rolla Ramps
Works in progress (2001)
EKO (Esso Pappas) Terminal
Mamidoil - Jetoil Terminal
SEE PLAN

Chart 54359 (Plan) (A) NM 21/04

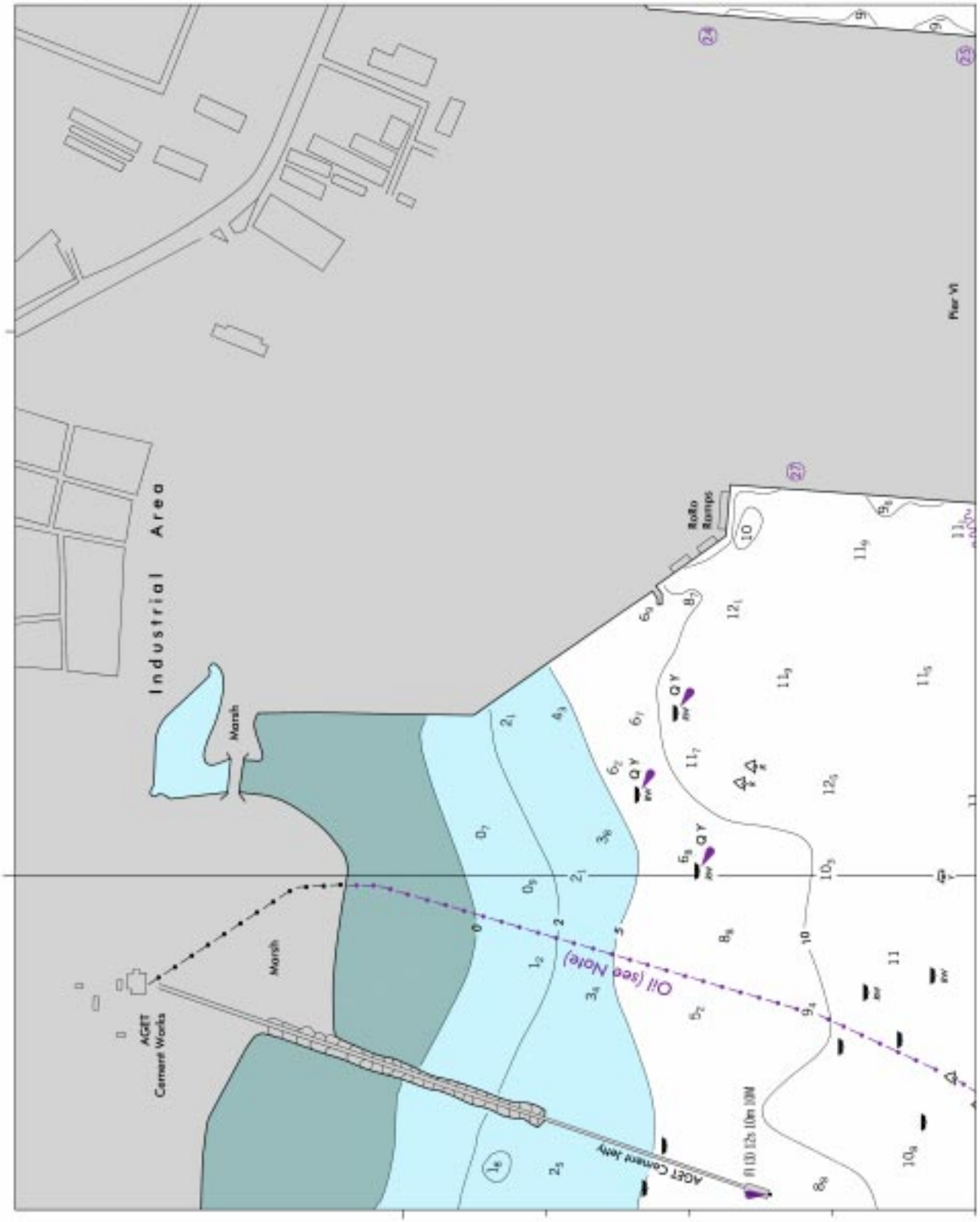
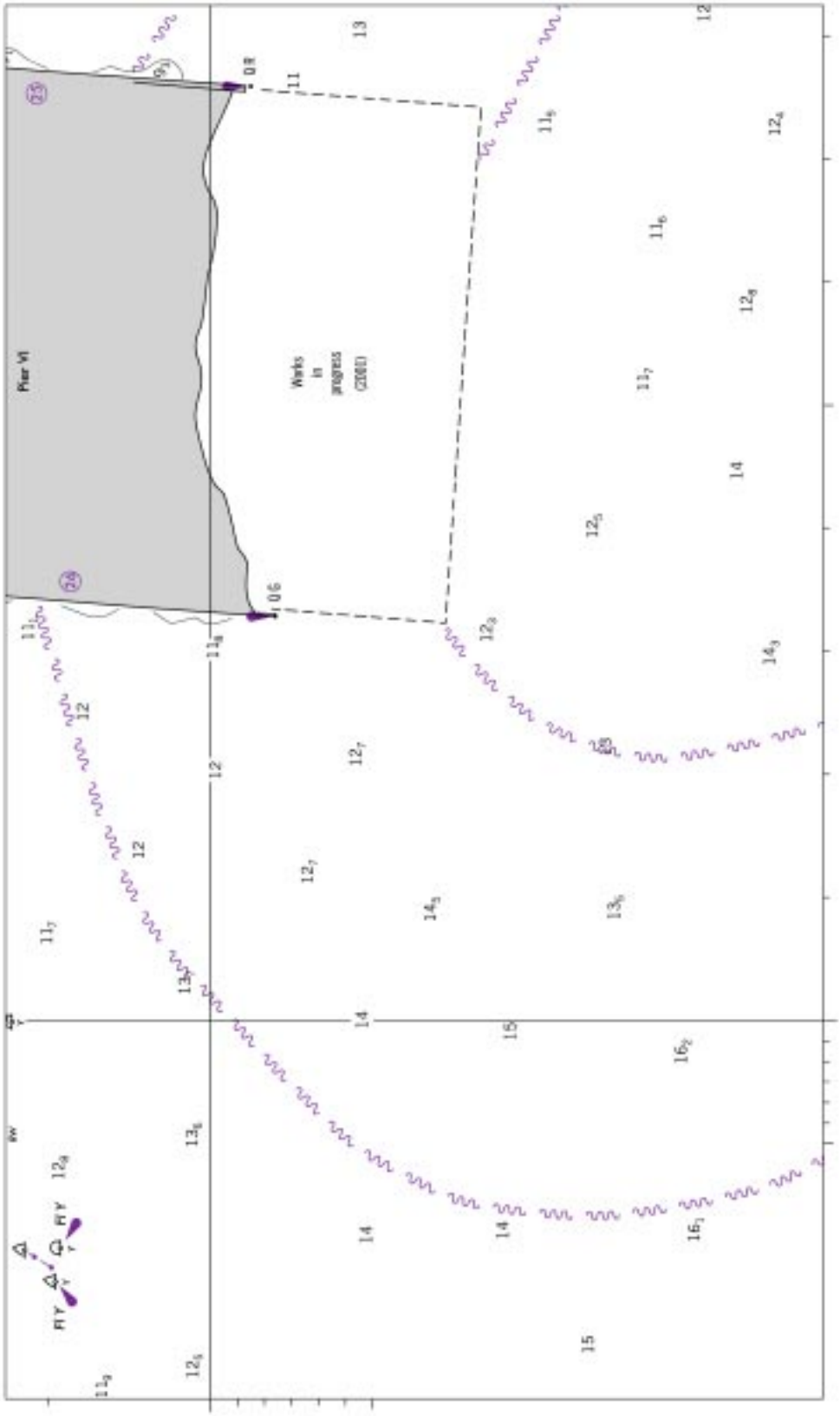


Chart 54359 (Plan) (B) NM 21/04



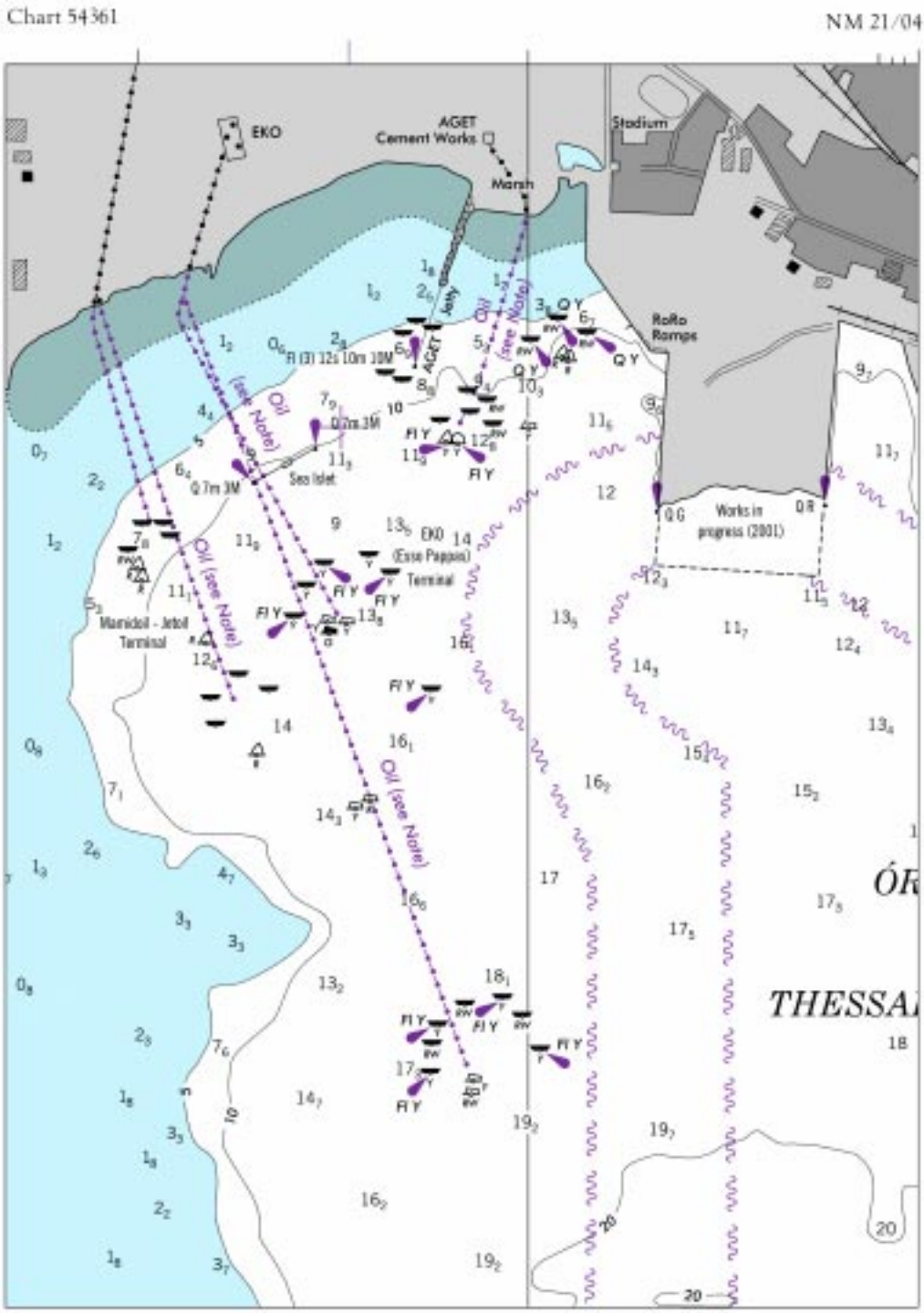


Chart 54361
NM 21/04
EKO
AGET
Cement Works
Marsh
Stadium
Jetty
Oil (see Note)
RoRo
Ramps
Fl (3) 12s 10m 10M
Q 7m 3M
Sea Inlet
Works in
progress (2001)
EKO
(Esso Pappas)
Terminal
Mamidoil - Jetoil
Terminal
THESSA

Chart 11505 NM 21/04

SAVANNAH RIVER CHANNEL DEPTHS

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

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)
TYBEE RANGE	43.5	44.0	45.0	44.0	03-04	600	3.3	44
BLOODY POINT RANGE	44.0	44.0	44.0	41.0	03-04	600	3.0	44
JONES ISLAND RANGE	44.0	42.0	43.5	44.0	03-04	600	1.2	44
TYBEE KNOLL CUT RANGE	42.5	43.5	43.0	44.0	03-04	500	2.5	42

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.

NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

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

Chart 11506 NM 21/04

BRUNSWICK HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 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)
BAR CHANNEL							
(ST SIMON RANGE)	32.0	34.0	A31.0	10-03	500	7.7	32
PLANTATION CREEK RANGE	43.0	42.0	38.5	2-04	400	1.8	32
JEKYLL ISLAND RANGE	29.0	30.5	33.0	2-04	400	1.9	30
CEDAR HAMMOCK RANGE	28.5	30.0	27.0	2-04	400	1.4	30
BRUNSWICK PT CUT RANGE	27.5	28.0	29.0	2-04	400	2.4	30
EAST RIVER							
LOWER REACH	B32.5	31.0	29.5	2-04	400	1.1	30
UPPER REACH	27.0	27.0	25.5	2-04	350	1.0	27
EAST RIVER TURNING BASIN	27.5	27.5	27.5	2-04	750	0.2	30
TURTLE RIVER LOWER RANGE	33.0	30.0	30.0	2-04	300	1.7	30
BLYTHE ISLAND RANGE	30.5	26.0	25.0	2-04	300	1.5	30
TURTLE RIVER UPPER RANGE	27.0	27.5	26.0	2-04	300	1.7	30
SOUTH BRUNSWICK RIVER	31.0	30.5	32.5	2-04	400	1.3	30

A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W.

B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 32.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 30.5 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.

NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)

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

Chart 11512 NM 21/04

SAVANNAH RIVER CHANNEL DEPTHS

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

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)
TYBEE RANGE	43.5	44.0	45.0	44.0	03-04	600	3.3	44
BLOODY POINT RANGE	44.0	44.0	44.0	41.0	03-04	600	3.0	44
JONES ISLAND RANGE	44.0	42.0	43.5	44.0	03-04	600	1.2	44
TYBEE KNOLL CUT RANGE	42.5	43.5	43.0	44.0	03-04	500	2.5	42
NEW CHANNEL RANGE (A)	43.0	44.0	44.0	43.0	03-04	500	1.6	42
L. I. CROSSING RANGE	43.5	44.0	45.0	42.5	03-04	500	2.6	42
LOWER FLATS RANGE	44.0	46.5	46.0	44.0	03-04	500	1.3	42
UPPER FLATS RANGE	44.0	46.0	46.0	46.0	03-04	500	1.2	42
THE BIGHT CHANNEL	44.5	46.5	47.5	47.5	03-04	500	1.5	42
FT. JACKSON RANGE	44.5	47.5	47.5	43.0	03-04	500	0.7	42
OGLETHORPE RANGE	43.0	45.0	44.5	43.0	03-04	500	1.2	42
WRECKS CHANNEL (B)	41.0	44.0	46.0	44.0	03-04	500	1.5	42
CITY FRONT CHANNEL	42.5	44.0	44.0	43.5	03-04	500	1.5	42
MARSH ISLAND CHANNEL (C)	42.5	46.5	44.5	42.0	03-04	500	1.7	42
KINGS ISLAND CHANNEL (D)	40.5	38.0	44.0	42.5	03-04	500	2.1	42
WHITEHALL CHANNEL (E)	38.0	39.0	38.0	40.0	03-04	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	31.5	31.0	32.0	12-94; 03-04	200	1.2	30

A. OYSTER BED I. TURNING BASIN-CONTROLLING DEPTH 43.0 FT, 40.0 FT 100 FT FROM BACKSIDE.
B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 40.0 FT, 30.5 FT 100 FT FROM BACKSIDE.
C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 34.5 FT, 30.0 FT 100 FT FROM BACKSIDE.
D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 45.0 FT, 49.0 FT 100 FT FROM BACKSIDE.
E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 39.5 FT 100 FT FROM BACKSIDE.
F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 31.5 FT, 28.5 FT 100 FT FROM BACKSIDE.

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.

NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

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

Chart 11514 (Side A) NM 21/04

SAVANNAH RIVER CHANNEL DEPTHS

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

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)
OGLETHORPE RANGE	43.0	45.0	44.5	43.0	03-04	500	1.2	42
WRECKS CHANNEL (A)	41.0	44.0	46.0	44.0	03-04	500	1.5	42
CITY FRONT CHANNEL	42.5	44.0	44.0	43.5	03-04	500	1.5	42
MARSH ISLAND CHANNEL (B)	42.5	46.5	44.5	42.0	03-04	500	1.7	42
KINGS ISLAND CHANNEL (C)	40.5	38.0	44.0	42.5	03-04	500	2.1	42
WHITEHALL CHANNEL (D)	38.0	39.0	38.0	40.0	03-04	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	31.5	31.0	32.0	12-94; 03-04	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 40.0 FT, 30.5 FT 100 FT FROM BACKSIDE.
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 34.5 FT, 30.0 FT 100 FT FROM BACKSIDE.
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 45.0 FT, 49.0 FT 100 FT FROM BACKSIDE.
D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 39.5 FT 100 FT FROM BACKSIDE.
E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 31.5 FT, 28.5 FT 100 FT FROM BACKSIDE.

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.

NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

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

Chart 11524 NM 21/04

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- SURVEYS TO DEC 2003

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)
FORT SUMTER RANGE	46.8	47.8	47.5	47.0	4-03	1000	14.8	47
MOUNT PLEASANT RANGE	46.7	47.5	45.8	47.8	8-03	1000-600	1.6	45
REBELLION REACH	47.4	48.8	47.8	48.1	8-03	600	1.4	45
SHUTES-FOLLY REACH	48.2	48.1	48.4	48.9	9-03	600-800	1.3	45
HORSE REACH	48.6	49.5	49.1	46.0	9-03	800	0.5	45
CUSTOMHOUSE REACH	47.1	49.2	48.8	47.3	9-03	1385	0.2	45
SOUTH CHANNEL	24.4	24.8	24.5	A24.3	10-96	600-1000	3.1	45
HOG ISLAND REACH	46.5	46.9	45.2	42.6	9-03	600-1300	1.5	45
DRUM ISLAND REACH	46.2	47.6	48.2	42.3	5-03	600-1300	0.7	45
TOWN CREEK LOWER REACH	39.5	39.0	39.0	38.2	9-03	400-450	1.1	45
TURNING BASIN	36.5	34.3	34.2	33.4	5-02	250	0.25	35
TOWN CREEK UPPER REACH	35.2	40.2	B40.9	40.5	11-01;5-02	250	1.0	16
MYERS BEND	42.0	47.2	47.5	47.5	11-01;5-03	600-900	0.4	45
DANIEL ISLAND REACH	46.6	46.2	44.6	39.0	5-03	880-980	1.2	45
DANIEL ISLAND BEND	49.2	48.5	48.9	48.3	5-03	700-780	0.4	45
CLOUTER CREEK REACH	C41.0	42.6	42.6	40.2	5-03	600	0.9	45
NAVY YARD REACH	38.9	42.2	40.6	34.7	5-03	600-700	1.1	45
NORTH CHARLESTON REACH	35.0	41.5	43.7	46.8	5-03	500-600	1.0	45
FILBIN CREEK REACH	47.0	47.7	47.8	47.3	6-03	500	0.6	45
PORT TERMINAL REACH	41.3	42.5	44.8	44.9	6-03	600	0.7	45
ORDNANCE REACH	39.9	41.2	41.0	41.7	6-03	600	0.3	45
ORDNANCE REACH TURNING BASIN	43.9	40.6	38.4	37.9	6-03	800	0.26	45
WANDO RIVER								
LOWER REACH	45.8	46.3	47.1	45.9	6-03	1500-400	1.3	45
UPPER REACH	46.8	47.1	47.4	42.1	5-03	400-850	0.74	45
TURNING BASIN	49.2	49.9	48.6	48.7	5-03	550	0.3	45
SHIPYARD CREEK								
MAIN CHANNEL	26.2	27.4	29.0	27.2	8,10-00	1200-300	1.0	30
LOWER TURNING BASIN	37.9	38.9	40.0	40.8	8,10-00	700	0.2	38
UPPER TURNING BASIN	22.0	23.4	23.7	24.7	8,10-00	600	0.15	30
COOPER RIVER								
RANGE A	38.7	37.4	38.3	38.9	7,8-98;10-03	400-1350	1.02	35
RANGE B	18.6	23.1	39.1	37.3	12-99;10-03	VARIES	0.74	35
RANGE C	20.6	D24.6	38.9	39.2	7,8-98;12-99;10,11,12-03	VARIES	0.76	35
RANGE D	38.9	38.4	38.2	38.0	2-00;11,12-03	VARIES	0.58	35
RANGE E	32.1	34.8	38.2	36.3	1-95	VARIES	0.38	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIES	0.29	35

A. ALONG CHANNEL EDGE.
B. OBSTRUCTION LOCATED WITH A DEPTH OF 39 FEET, AT 32°48'45.3"N; 79°55'45.7"W.
C. OBSTRUCTION LOCATED WITH A DEPTH OF 34 FEET, AT 32°51'26.8"N; 79°57'10.1"W.
D. OBSTRUCTION LOCATED WITH A DEPTH OF 37 FEET, AT 32°55'15.9"N; 79°55'54.8"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11527 NM 21/04

COOPER RIVER
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2000
AND SURVEYS TO DEC 2003

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)
COOPER RIVER								
RANGE A	38.7	37.4	38.3	38.9	7,8-98;10-03	400-1350	1.02	35
RANGE B	18.6	23.1	39.1	37.3	12-99;10-03	VARIES	.74	35
RANGE C	20.6	A24.6	38.9	39.2	7,8-98;12-99;10,11,12-03	VARIES	.76	35
RANGE D	38.9	38.4	38.2	38.0	2-00;11,12-03	VARIES	.58	35
RANGE E	32.1	34.8	38.2	36.3	1-95	VARIES	.38	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIES	.29	35

A. OBSTRUCTION LOCATED WITH A DEPTH OF 37 FEET, AT 32°55'15.9"N; 79°55'54.8"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 54359 NM 21/04

PIPELINES

Attention is called to the fact that in many cases pipelines are not buried, and charted depths may be decreased by up to two meters. Any vessel damaging a line could face an immediate fire hazard, or loss of buoyancy. Vessels are requested not to anchor or trawl in the vicinity of pipelines.

Chart 54361 NM 21/04

PIPELINES

Attention is called to the fact that in many cases pipelines are not buried, and charted depths may be decreased by up to two meters. Any vessel damaging a line could face an immediate fire hazard, or loss of buoyancy. Vessels are requested not to anchor or trawl in the vicinity of pipelines.