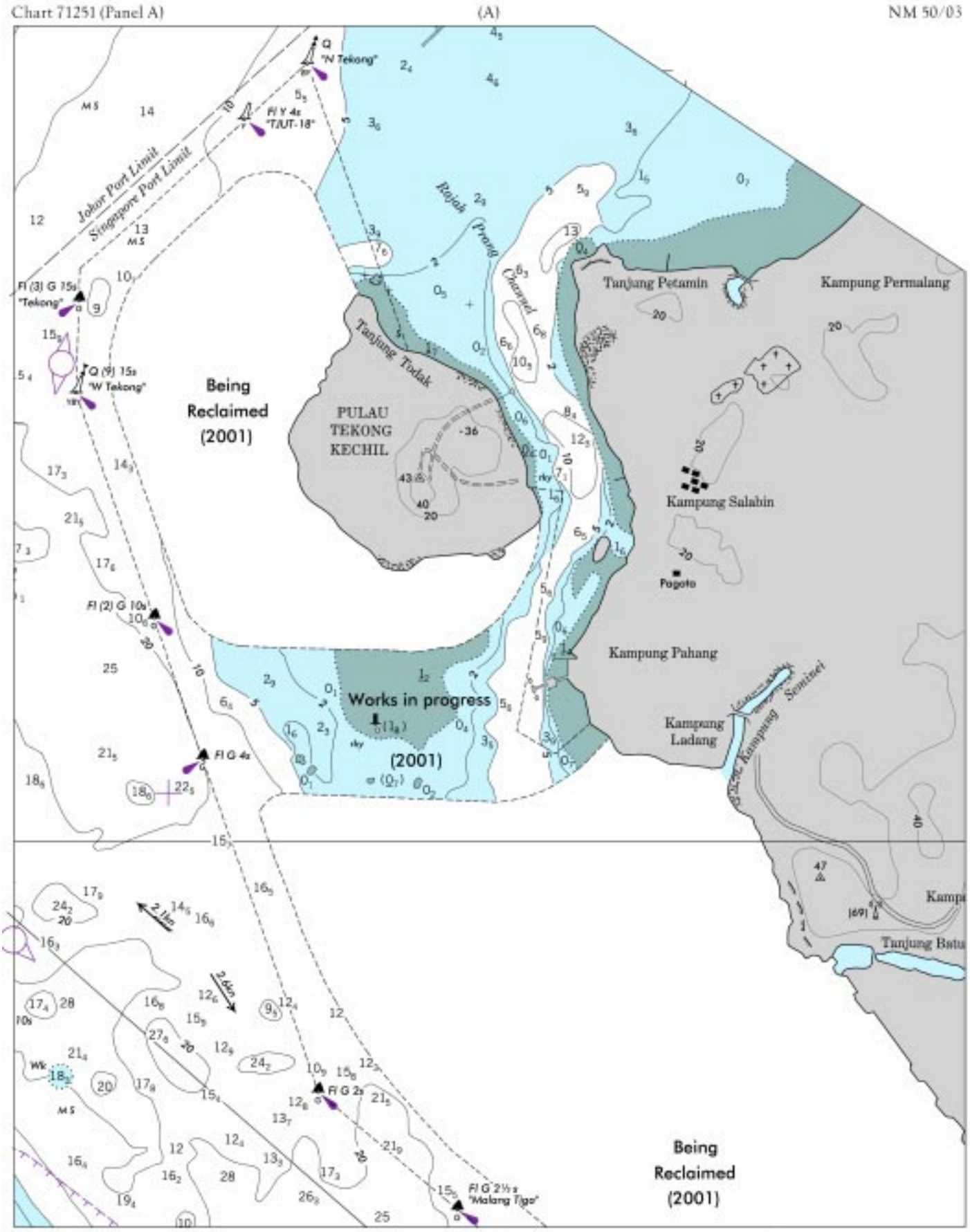
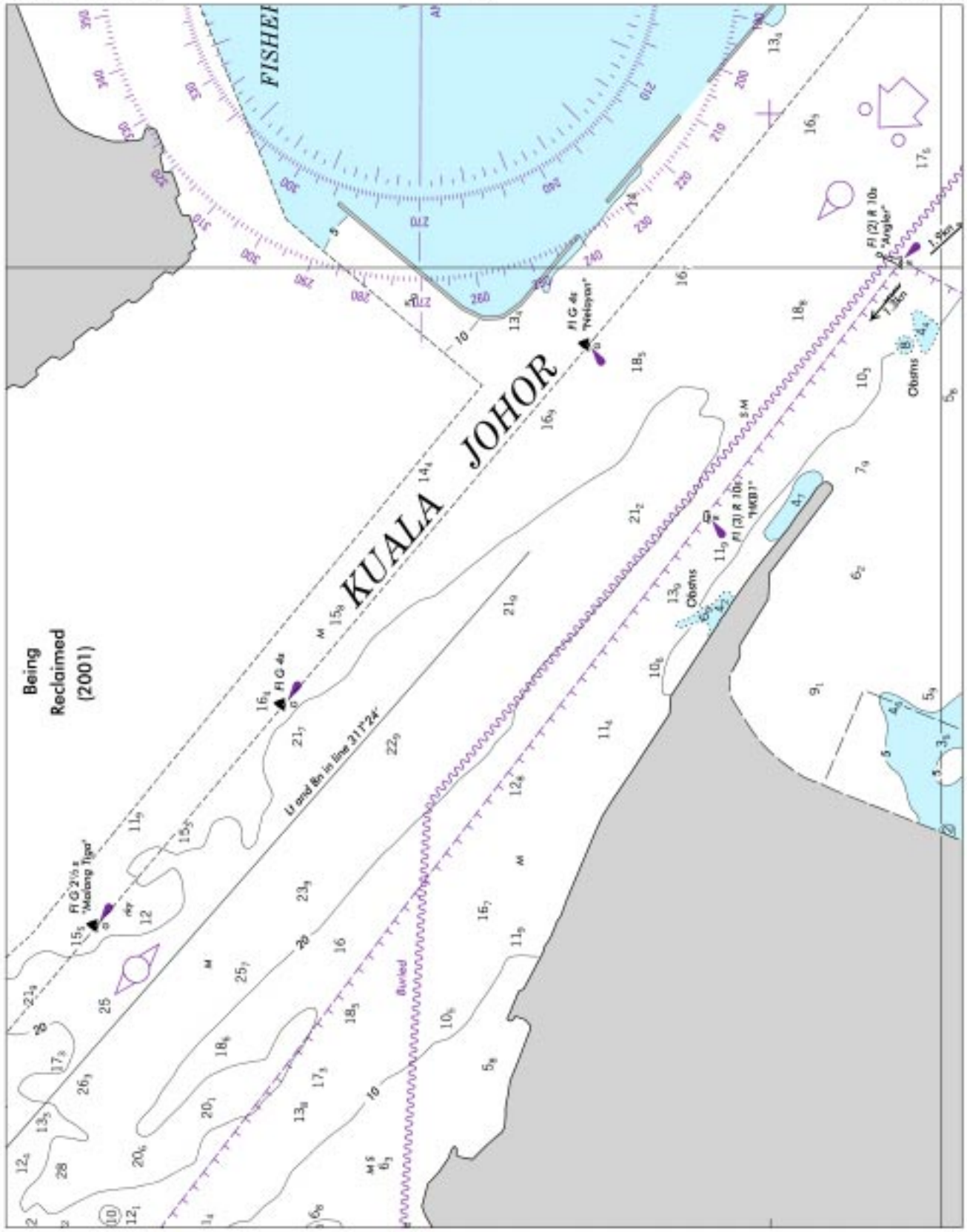


Chart 71251 (Panel A)
(A)
NM 50/03
Johor Port Limit
Singapore Port Limit
Rajah Prong Channel
Tanjung Todak
PULAU TEKONG KECHIL
Being Reclaimed (2001)
Works in progress (2001)
Being Reclaimed (2001)
Tanjung Petamin
Kampung Permalang
Kampung Salahin
Pagoto
Kampung Pahang
Kampung Ladang
Tanjung Batu
Fl (3) G 15s "Tekong"
Q (9) 15s "W Tekong"
Fl (2) G 10s
Fl G 4s
Fl G 2s
Fl G 2½s "Malang Tiga"
Fl Y 4s "T/UT-18"
Q "N Tekong"
2 kts
2 kts

Chart 71251 (Panel A) (B) NM 50/03



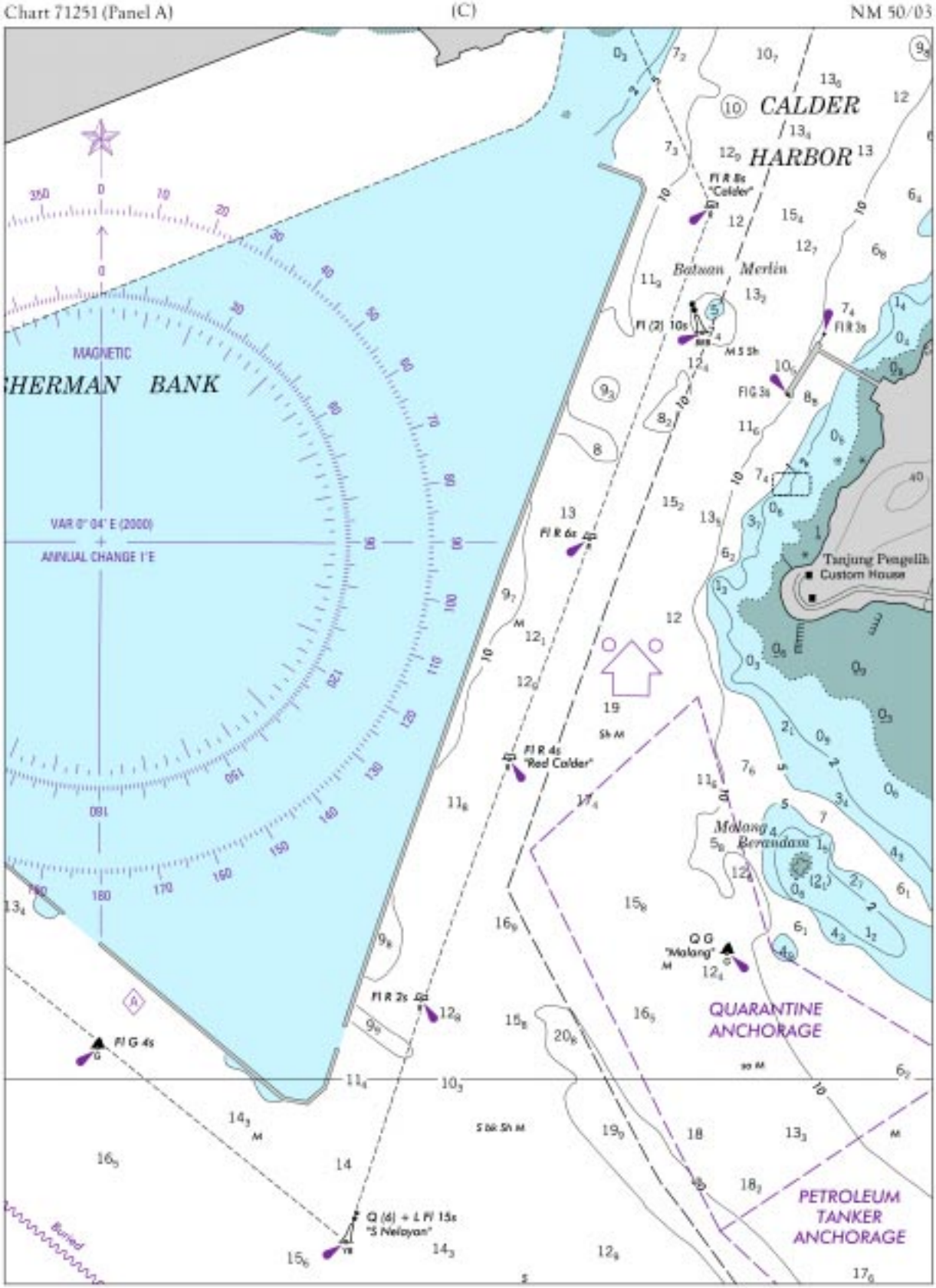


Chart 71251 (Panel A)
(C)
NM 50/03
CALDER
HARBOR
Fl R 8s
"Calder"
Batuan
Merlin
Fl (2) 10s
Fl R 3s
FIG 3s
MAGNETIC
HERMAN BANK
VAR 0° 04' E (2000)
ANNUAL CHANGE 1'E
Fl R 6s
Tanjung Pengelih
Custom House
Fl R 4s
"Red Calder"
Malang
Berandam
Q G
"Malang"
QUARANTINE
ANCHORAGE
Fl R 2s
Fl G 4s
Q (6) + L Fl 15s
"S Nelayan"
PETROLEUM
TANKER
ANCHORAGE
Buried

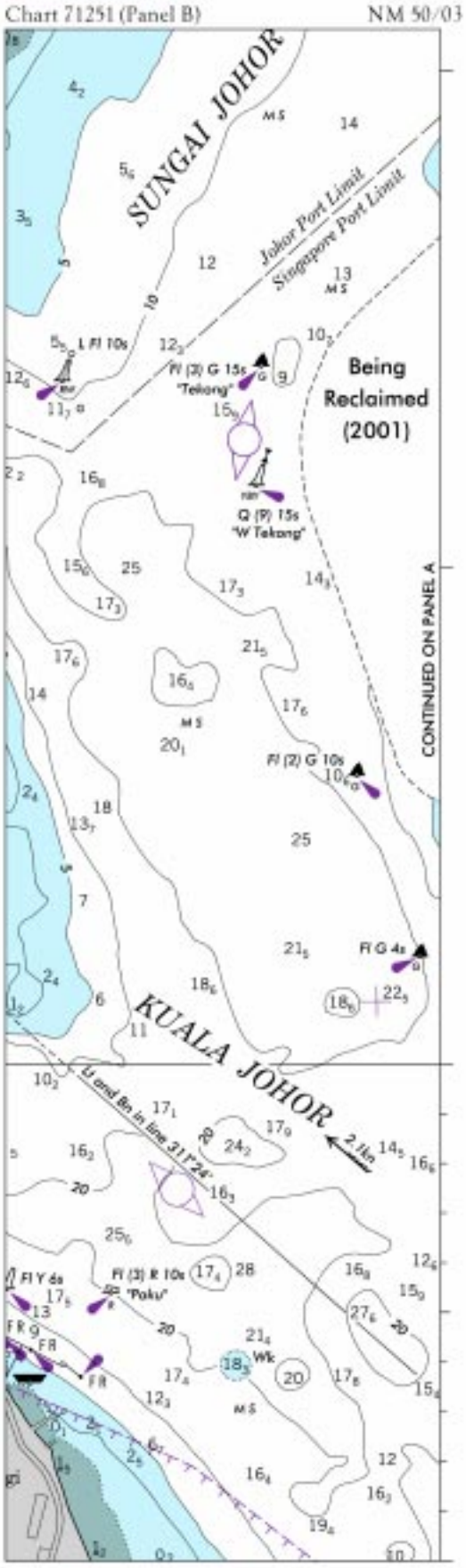


Chart 71251 (Panel B)
NM 50/03
SUNGAI JOHOR
Johor Port Limit
Singapore Port Limit
Being Reclaimed (2001)
L Fl 10s
Fl (2) G 15s "Tekong"
Q (9) 15s "W Tekong"
Fl (2) G 10s
Fl G 4s
CONTINUED ON PANEL A
KUALA JOHOR
U and Bn in line 311°24'
2.1km
Fl Y 6s
Fl (3) R 10s "Poku"
FR
Wk

Chart 74285 (A) NM 50/03

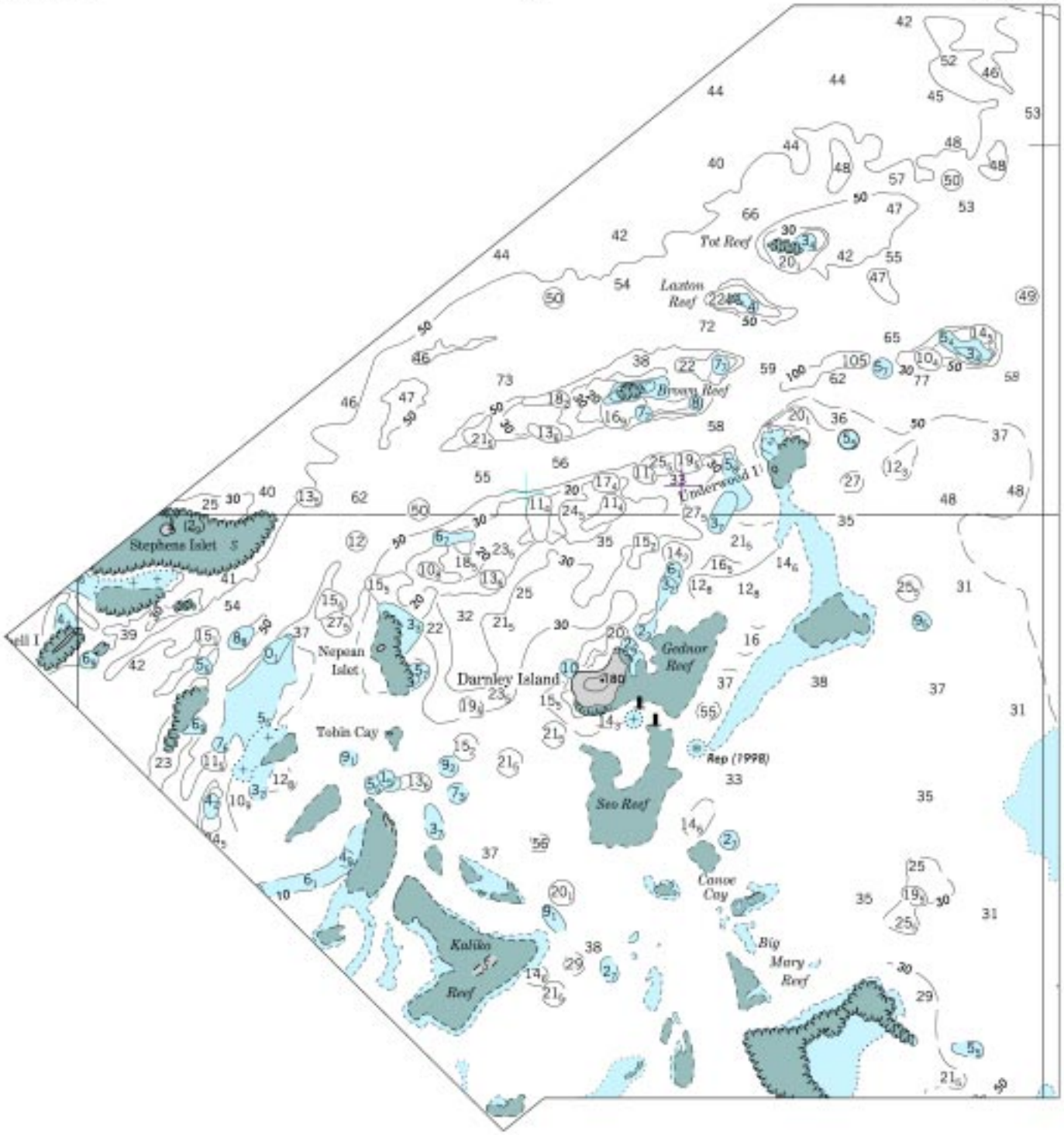
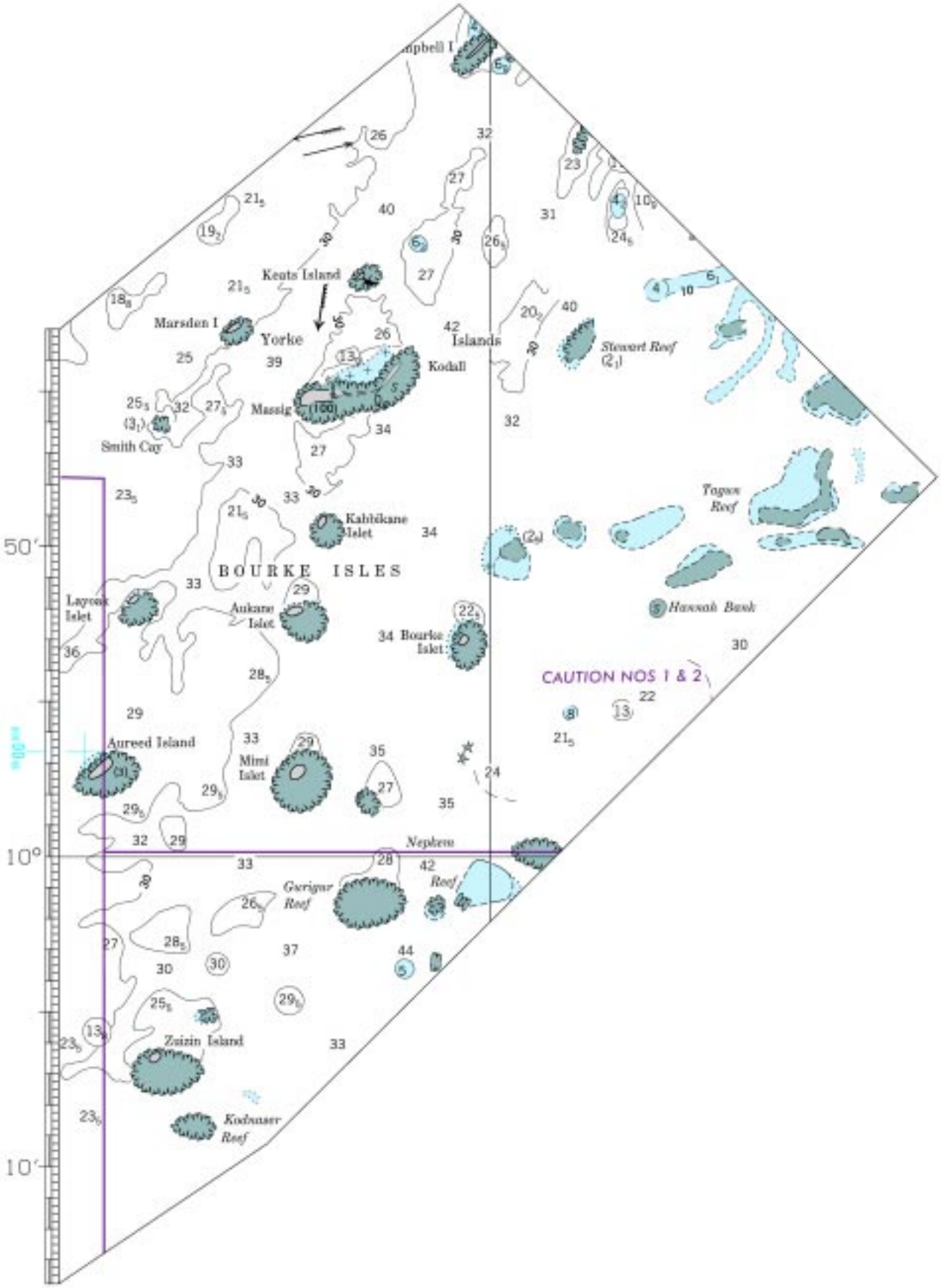


Chart 74285 (B) NM 50/03



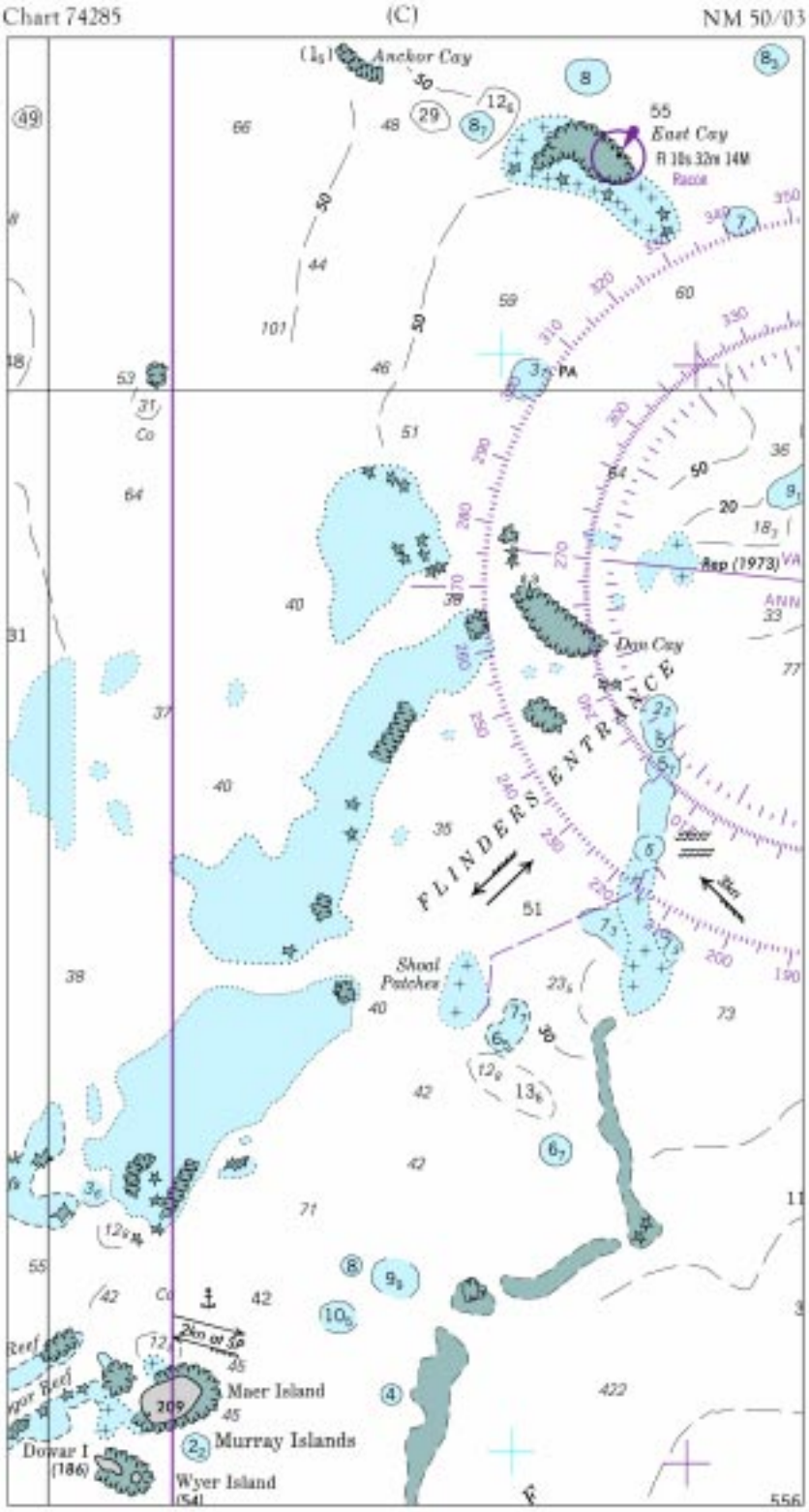


Chart 74285
(C)
NM 50/03
Anchor Cay
East Cay
Fl 10s 32m 14M
Racon
Day Cay
FLINDERS ENTRANCE
Shoal Patches
Mner Island
Murray Islands
Dowar I
(186)
Wyer Island
(54)

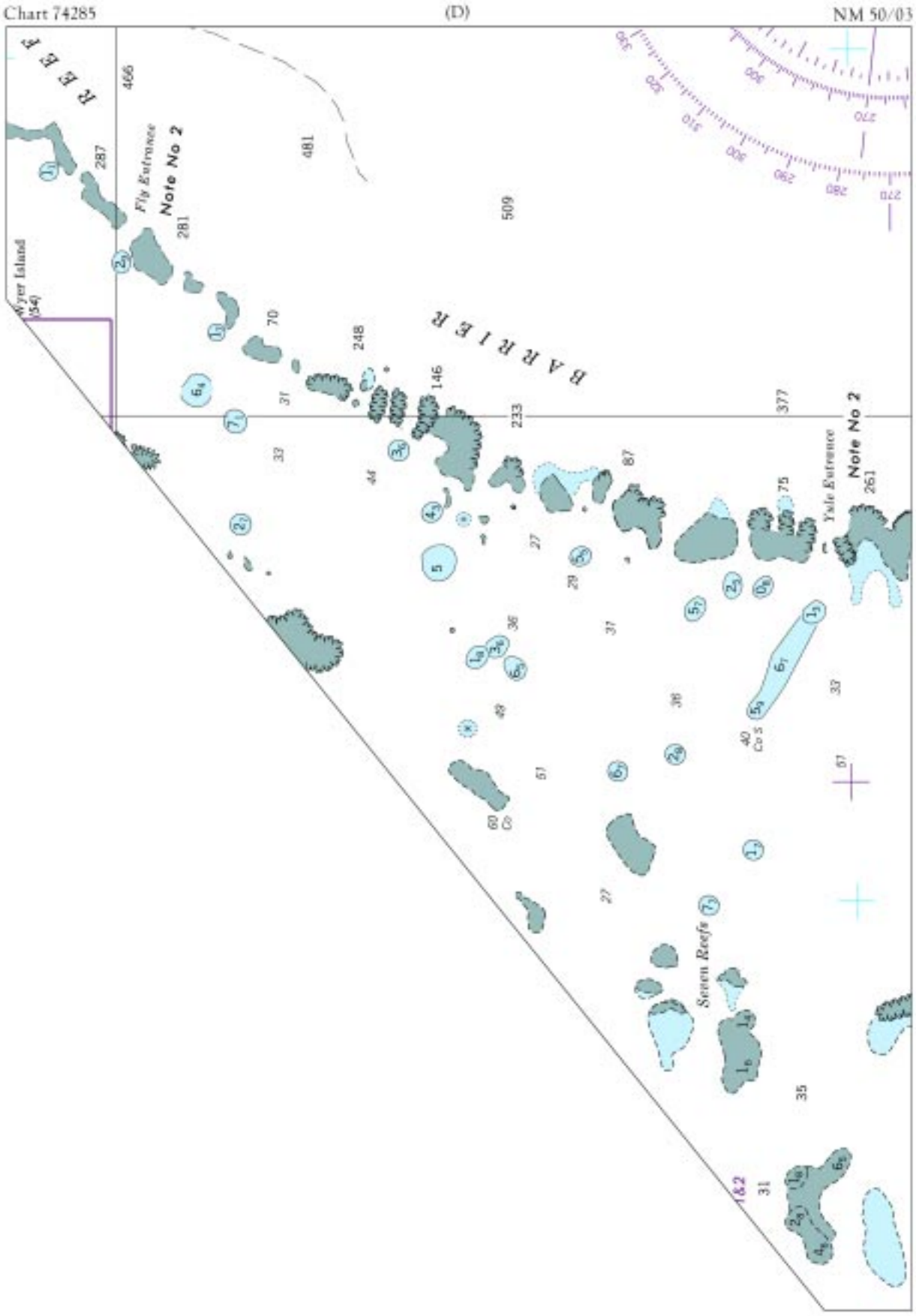


Chart 74285
(D)
NM 50/03
Fly Entrance
Note No 2
Wyer Island
(54)
BARRIER
Yale Entrance
Note No 2
Seven Reefs

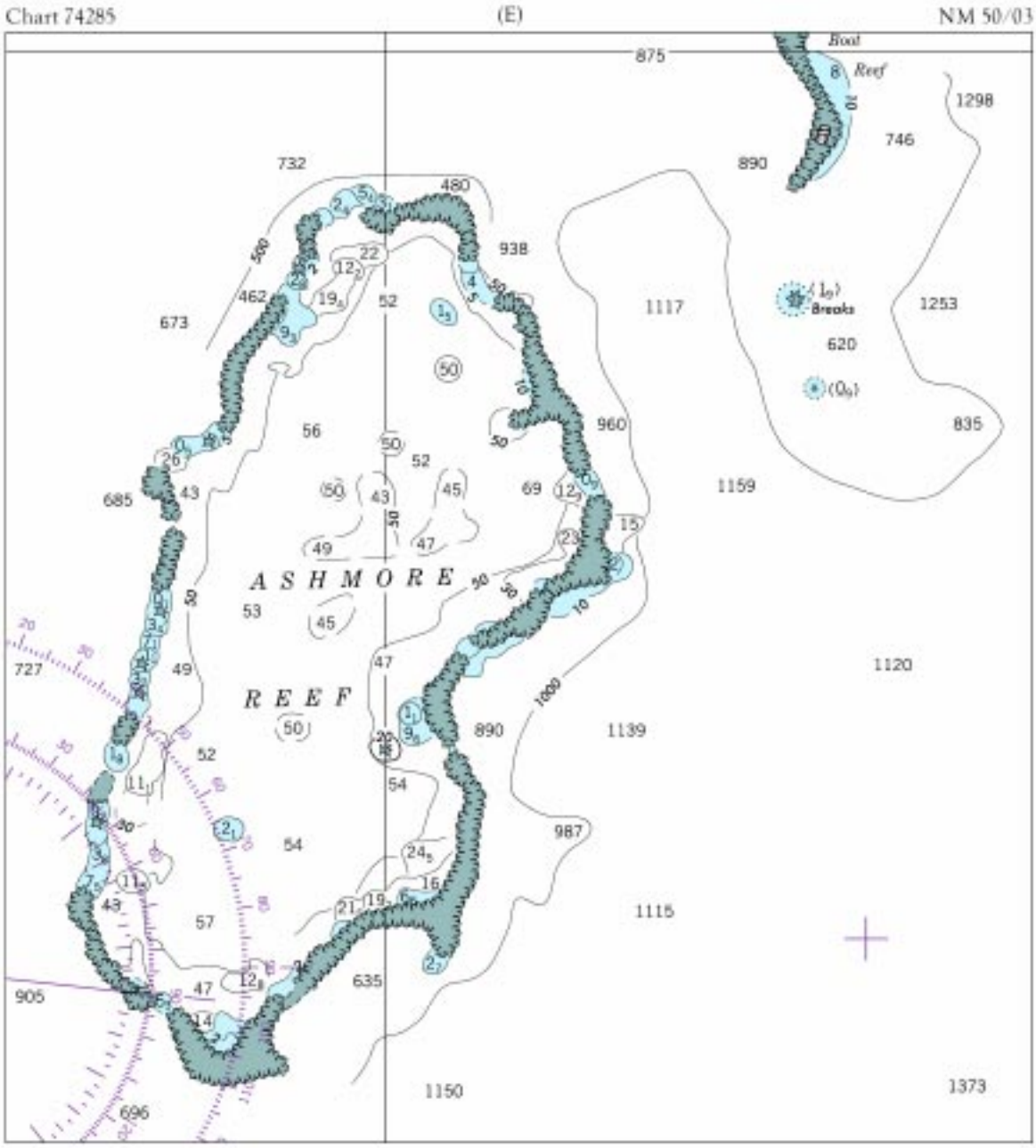


Chart 74285
(E)
NM 50/03
Boat
Reef
Breaks
ASHMORE
REEF

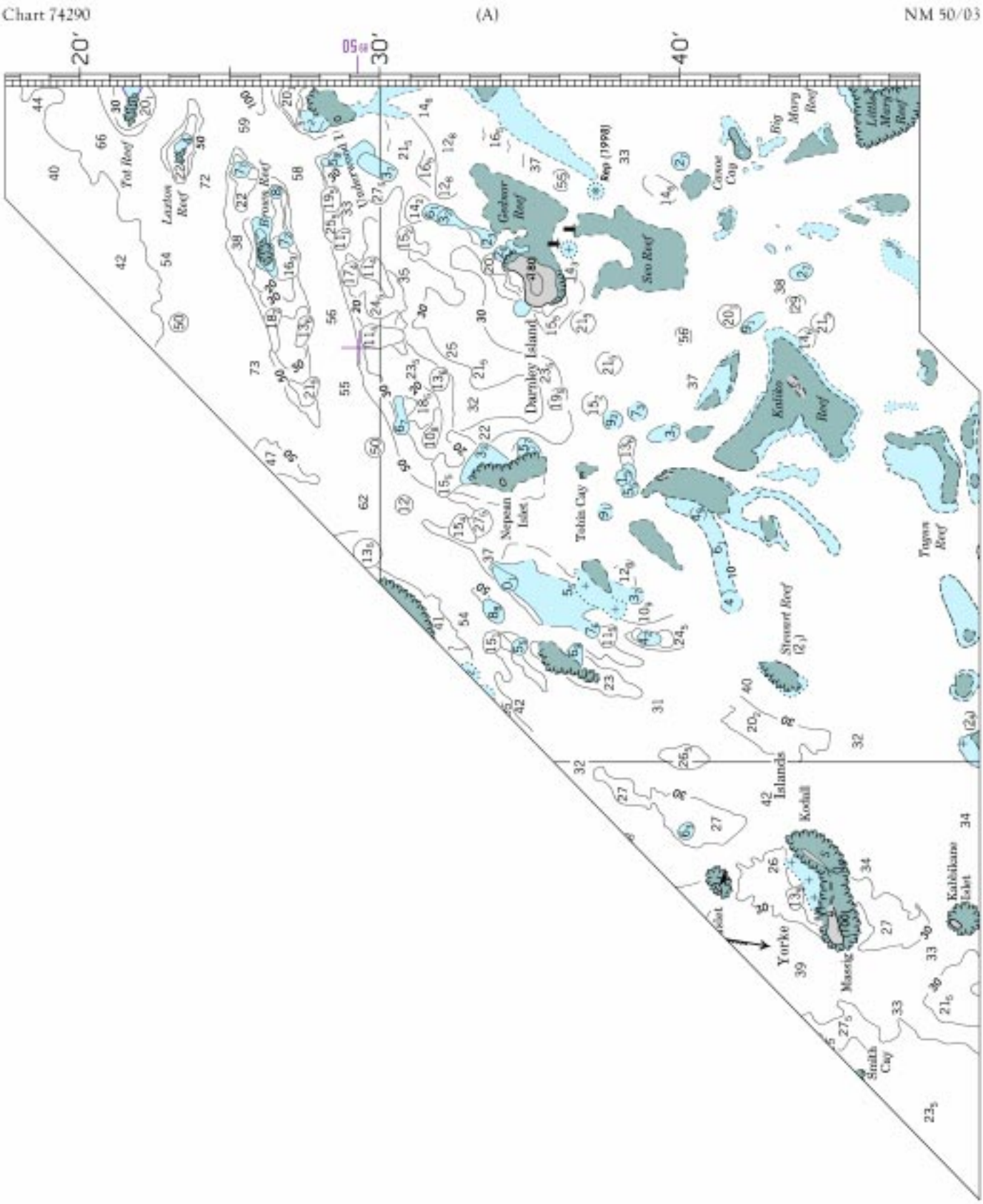


Chart 74290
(A)
NM 50/03
20'
30'
40'
Yol Reef
Laxton Reef
Brown Reef
Geelong Reef
Darnley Island
Sno Reef
Rep (1998)
Canoe Cay
Big Mary Reef
Little Mary Reef
Kaiwai Reef
Nepean Islet
Tobin Cay
Stewart Reef
Tugan Reef
Islands
Kodall
Kabikane Islet
Yorke
Masig
Smith Cay

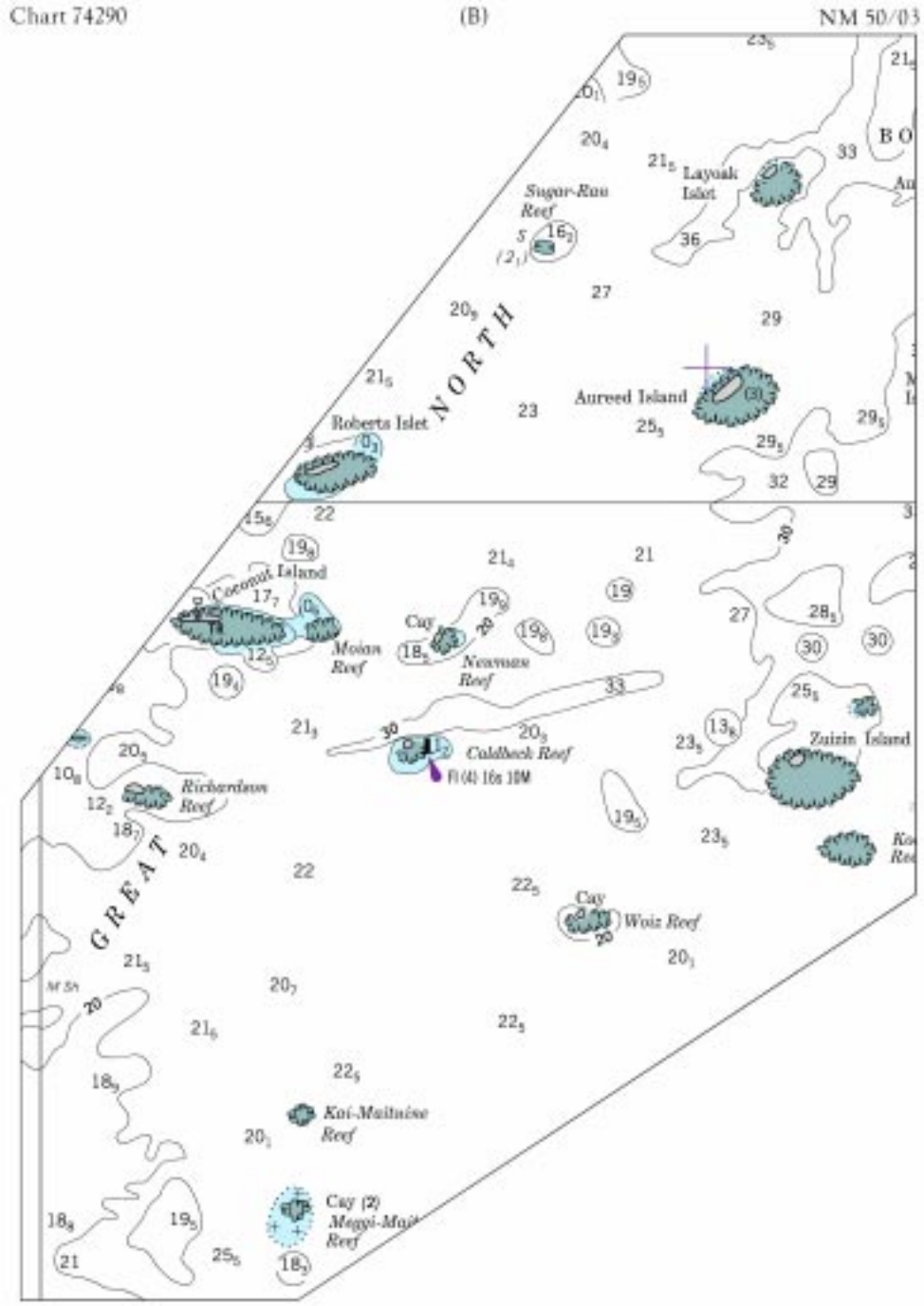


Chart 74290
(B)
NM 50/03
Sugar-Ruu Reef
Layoak Islet
Aureed Island
Roberts Islet
NORTH
Coconut Island
Moian Reef
Cay
Neawaue Reef
Caldbeck Reef
Fl (4) 16s 18M
Richardson Reef
Zuizin Island
GREAT
Cay
Woiz Reef
Koi-Maitnine Reef
Cay (2)
Meggi-Maii Reef

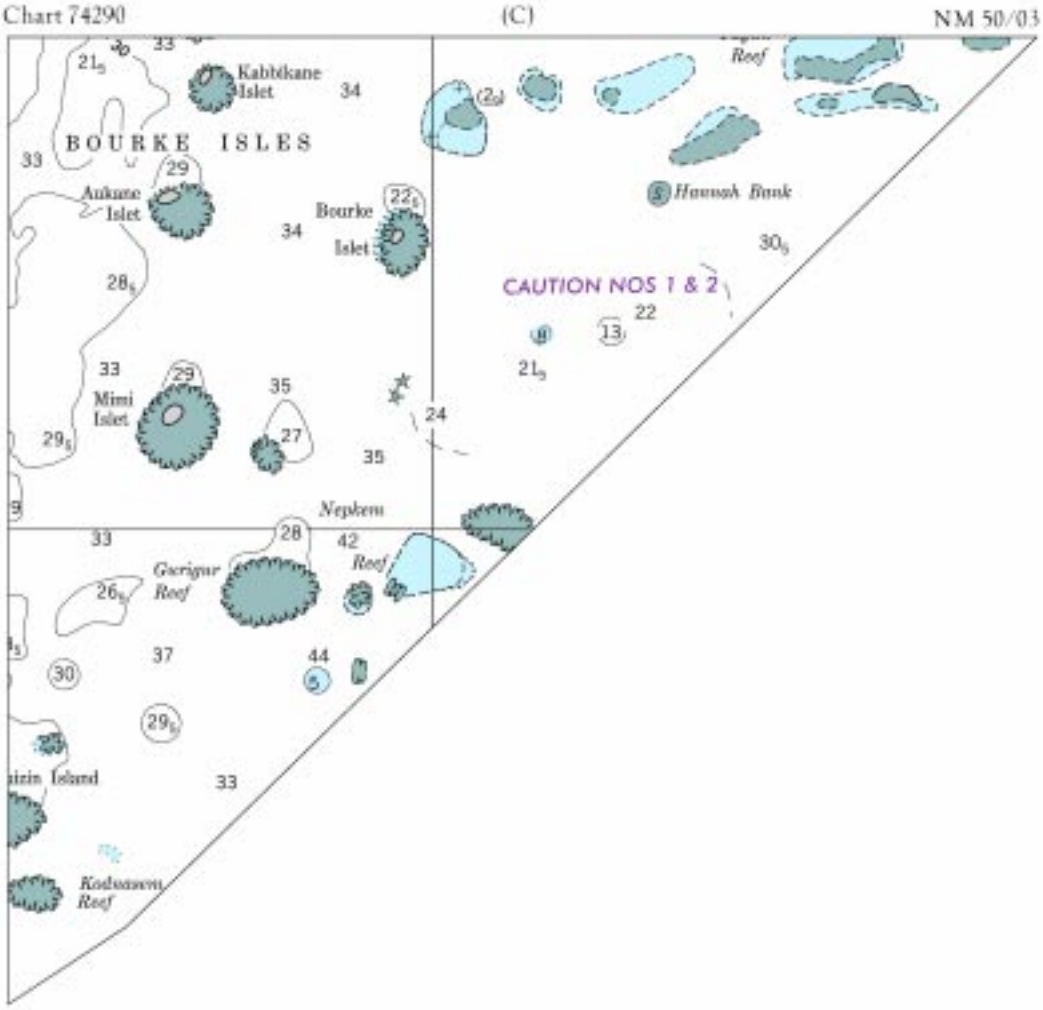


Chart 74290
(C)
NM 50/03
Kabtikane Islet
BOURKE ISLES
Aukane Islet
Bourke Islet
Mimi Islet
Hannah Bank
CAUTION NOS 1 & 2
Nepkem
Garigur Reef
Reef
Kodusem Reef

Chart 97345 NM 50/03

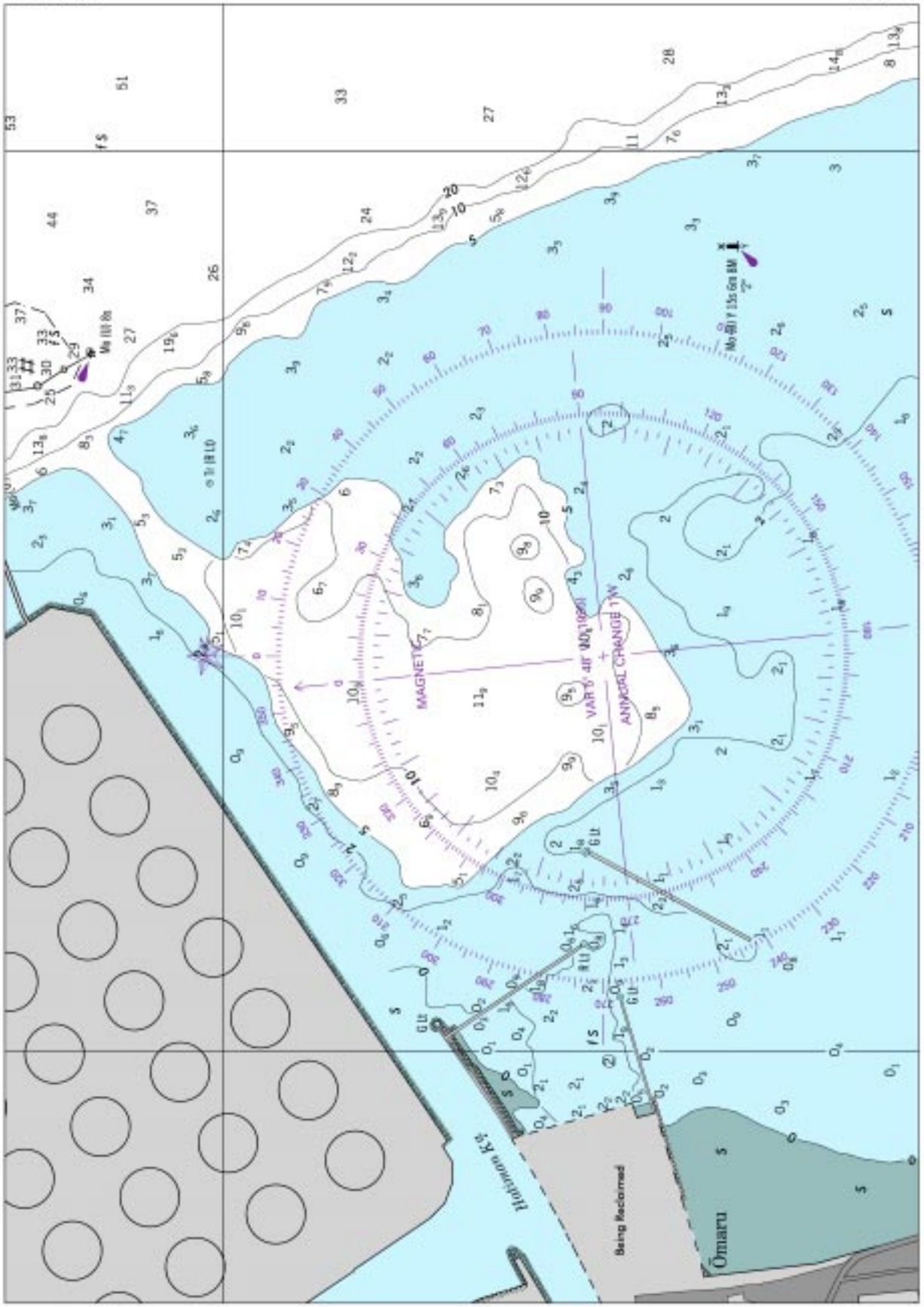


Chart 11363 NM 50/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2003

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

| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | MIDDLE HALF OF CHANNEL | RIGHT OUTSIDE QUARTER | WIDTH (FEET) | DATE OF SURVEY |
|---|---|---|---|---|---|
| LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 | 38.0 | 36.0 | 34.0 | 600 | 7,8-03 |
| THENCE TO END OF JETTY OPPOSITE LIGHT 62 | 28.0 | 33.0 | 26.0 | 500 | 6,7,8-03 |
| THENCE TO INTERSECTION WITH G. I. W. W. | 26.0 | 32.0 | 22.0 | 500 | 6,7,8,9-03 |
| THENCE TO INNER HARBOR NAVIGATION CANAL | 26.0 | 28.0 | 29.0 | 500 | 8,9-03 |

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

Chart 11364 NM 50/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2003

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

| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | MIDDLE HALF OF CHANNEL | RIGHT OUTSIDE QUARTER | WIDTH (FEET) | DATE OF SURVEY |
|---|---|---|---|---|---|
| LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 | 38.0 | 36.0 | 34.0 | 600 | 7,8-03 |
| THENCE TO END OF JETTY OPPOSITE LIGHT 62 | 28.0 | 33.0 | 26.0 | 500 | 6,7,8-03 |
| THENCE TO INTERSECTION WITH G. I. W. W. | 26.0 | 32.0 | 22.0 | 500 | 6,7,8,9-03 |
| THENCE TO INNER HARBOR NAVIGATION CANAL | 26.0 | 28.0 | 29.0 | 500 | 8,9-03 |

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

Chart 11369 NM 50/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2003

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

| NAME OF CHANNEL | LEFT OUTSIDE QUARTER | MIDDLE HALF OF CHANNEL | RIGHT OUTSIDE QUARTER | WIDTH (FEET) | DATE OF SURVEY |
|---|---|---|---|---|---|
| LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 | 38.0 | 36.0 | 34.0 | 600 | 7,8-03 |
| THENCE TO END OF JETTY OPPOSITE LIGHT 62 | 28.0 | 33.0 | 26.0 | 500 | 6,7,8-03 |
| THENCE TO INTERSECTION WITH G. I. W. W. | 26.0 | 32.0 | 22.0 | 500 | 6,7,8,9-03 |
| THENCE TO INNER HARBOR NAVIGATION CANAL | 26.0 | 28.0 | 29.0 | 500 | 8,9-03 |

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

Chart 11491 (Side A) NM 50/03

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2003
AND SURVEYS TO JUL 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) |
| ST. JOHNS BAR CUT RANGE, EAST SECTION | 37.6 | 38.0 | 41.1 | 36.0 | 11-00 | 800 | 2.1 | 42 |
| ST. JOHNS BAR CUT RANGE, WEST SECTION | 32.6 | 37.5 | 37.1 | 31.9 | 11-00 | 800 | 1.5 | 38 |
| PILOT TOWN CUT RANGE | 26.0 | 39.0 | 39.1 | 35.7 | 11-00 | 950 | 1.0 | 38 |
| MAYPORT CUT RANGE | 37.5 | 39.1 | 39.2 | 36.4 | 11-00 | 1050 | 0.7 | 38 |
| SHERMAN CUT RANGE | 38.4 | 39.9 | 38.7 | 33.4 | 11-00 | 950-650 | 0.5 | 38 |
| MILE POINT LOWER RANGE AND TURN | 38.2 | 37.6 | 35.9 | 28.4 | 11-00 | 650 | 0.9 | 38 |
| TRAINING WALL REACH | 38.3 | 37.9 | 38.3 | 35.8 | 11-00 | 650-500 | 1.1 | 38 |
| SHORT CUT TURN | 34.4 | 40.0 | 41.3 | 40.7 | 11-00 | 600 | 0.4 | 38 |
| WHITE SHELLS CUT RANGE | 34.5 | 37.5 | 38.9 | 40.4 | 11-00 | 580-1280 | 0.7 | 38 |
| ST. JOHNS BLUFF REACH | 36.4 | 37.3 | 36.5 | 34.5 | 11-00 | 1200-1100 | 0.6 | 38 |
| DAMES PT.-FULTON CUTOFF | 41.8 | 41.1 | 42.0 | 40.3 | 7-03 | 1280-500 | 2.7 | 38 |
| DAMES PT. TURN | 37.8 | 32.2 | 38.0 | 36.0 | 8-01 | 900-1200 | 0.4 | 38 |
| QUARANTINE I. UPPER RANGE | 38.4 | 38.6 | 38.8 | 37.7 | 8-01 | 1000-550 | 0.7 | 38 |
| BRILLS CUT RANGE | 38.8 | 39.5 | 38.9 | 36.3 | 8-01 | 550-450 | 0.8 | 38 |
| BROWARD POINT TURN | 31.5 | 39.1 | 39.0 | 38.7 | 8-01 | 625-850 | 1.0 | 38 |
| BLOUNT ISLAND CHANNEL | 31.6 | 32.1 | 30.2 | 26.8 | 7-03 | 300-800 | 1.7 | 30 |

NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11491 (Side B) NM 50/03

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2003
AND SURVEYS TO JUL 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) |
| QUARANTINE I. UPPER RANGE | 38.4 | 38.6 | 38.8 | 37.7 | 8-01 | 1000-550 | 0.7 | 38 |
| BRILLS CUT RANGE | 38.8 | 39.5 | 38.9 | 36.3 | 8-01 | 550-450 | 0.8 | 38 |
| BROWARD POINT TURN | 31.5 | 39.1 | 39.0 | 38.7 | 8-01 | 625-850 | 1.0 | 38 |
| DRUMMOND CREEK RANGE | 38.4 | 38.8 | 38.6 | 35.7 | 7-03 | 650-400 | 1.5 | 38 |
| TROUT RIVER CUT RANGE | 37.5 | 38.8 | 41.2 | 38.2 | 7-03 | 400-500 | 1.0 | 38 |
| CHASEVILLE TURN | 35.3 | 38.6 | 38.8 | 35.8 | 7-03 | 500-700 | 0.6 | 38 |
| LONG BRANCH RANGE | 35.4 | 38.1 | 40.1 | 37.5 | 7-03 | 650-2000 | 0.7 | 38 |
| TERMINAL CHANNEL | 29.7 | 31.4 | 34.3 | 31.6 | 7-03 | 575-1025 | 2.7 | 34-38 |

NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18581 NM 50/03

YAQUINA BAY AND RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003

| 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 44°36'23"N, 124°05'24"W TO FIRST TURN | 24 | 28 | 25 | 7,8-03 | 400-300 | 1.3 | 40-30 |
| THENCE TO TURNING BASIN | 24 | 27 | 25 | 4-03 | 300-400 | 1.3 | 30 |
| TURNING BASIN | 16 | 21 | 23 | 4-03 | 300-1200 | 0.3 | 30 |
| THENCE TO YAQUINA | 13 | 12 | 12 | 6-00 | 200 | 1.6 | 18 |
| THENCE TO END OF PROJECT | 2A | 07 | 5B | 7-98;7-00;11-00 | 150 | 9.7 | 10 |

A. SHOAL TO BARE AT 44°36'57.89"N, 123°56'34.87"W.
B. SHOAL TO BARE FROM 44°36'49.6"N, 123°56'55.4"W TO 44°36'57.3"N, 123°56'42.7"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18649 NM 50/03

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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) |
| SOUTHAMPTON SHOAL CHANNEL | 44.9 | 44.7 | 45.0 | 44.3 | 7-03 | 600 | 1.1 | 45 |
| RICHMOND HARBOR | | | | | | | | |
| ENTRANCE CHANNEL | 34.4 | 36.0 | 36.6 | 36.6 | 1-03 | 600-550 | 1.0 | 35 |
| POINT POTRERO REACH | 35.1 | 35.3 | 35.5 | 34.2 | 1-03 | 500-600 | 1.4 | 35 |
| POINT POTRERO TURN | 36.0 | 35.2 | 36.3 | 34.9 | 1-03 | 600-1250 | 0.6 | 35 |
| HARBOR CHANNEL | 35.9 | 36.1 | 36.7 | 35.5 | 1-03 | 850-200 | 0.5 | 35 |
| SANTA FE CHANNEL | 28.2 | 30.0 | 30.0 | 29.4 | 2-99,1-03 | 200 | 0.5 | 35-30 |
| TURNING BASIN | 28.6 | 30.1 | 29.1 | 24.1 | 2-99 | 200-500 | 0.16 | 30 |

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

Chart 18653 NM 50/03

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 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) |
| SOUTHAMPTON SHOAL CHANNEL | 44.9 | 44.7 | 45.0 | 44.3 | 7-03 | 600 | 1.1 | 45 |
| RICHMOND HARBOR | | | | | | | | |
| ENTRANCE CHANNEL | 34.4 | 36.0 | 36.6 | 36.6 | 1-03 | 600-550 | 1.0 | 35 |
| POINT POTRERO REACH | 35.1 | 35.3 | 35.5 | 34.2 | 1-03 | 500-600 | 1.4 | 35 |
| POINT POTRERO TURN | 36.0 | 35.2 | 36.3 | 34.9 | 1-03 | 600-1250 | 0.6 | 35 |
| HARBOR CHANNEL | 35.9 | 36.1 | 36.7 | 35.5 | 1-03 | 850-200 | 0.5 | 35 |
| SANTA FE CHANNEL | 28.2 | 30.0 | 30.0 | 29.4 | 2-99,1-03 | 200 | 0.5 | 35-30 |
| TURNING BASIN | 28.6 | 30.1 | 29.1 | 24.1 | 2-99 | 200-500 | 0.16 | 30 |

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

Chart 19367 NM 50/03

HONOLULU HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 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) |
| HONOLULU CHANNEL RANGE | 39.0 | 43.0 | 44.0 | 43.0 | 4-03 | 500 | 0.53 | 45 |
| KALIHI CHANNEL ENTRANCE | 34.0 | 33.0 | 33.0 | A14.0 | 2-99 | 400 | 1.2 | 23 |
| EMERGENCY TURNING BASIN | 28.0 | 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 19369 NM 50/03

HONOLULU HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 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) |
| HONOLULU CHANNEL RANGE | 39.0 | 43.0 | 44.0 | 43.0 | 4-03 | 500 | 0.53 | 45 |
| KALIHI CHANNEL ENTRANCE | 34.0 | 33.0 | 33.0 | A14.0 | 2-99 | 400 | 1.2 | 23 |
| EMERGENCY TURNING BASIN | 28.0 | 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