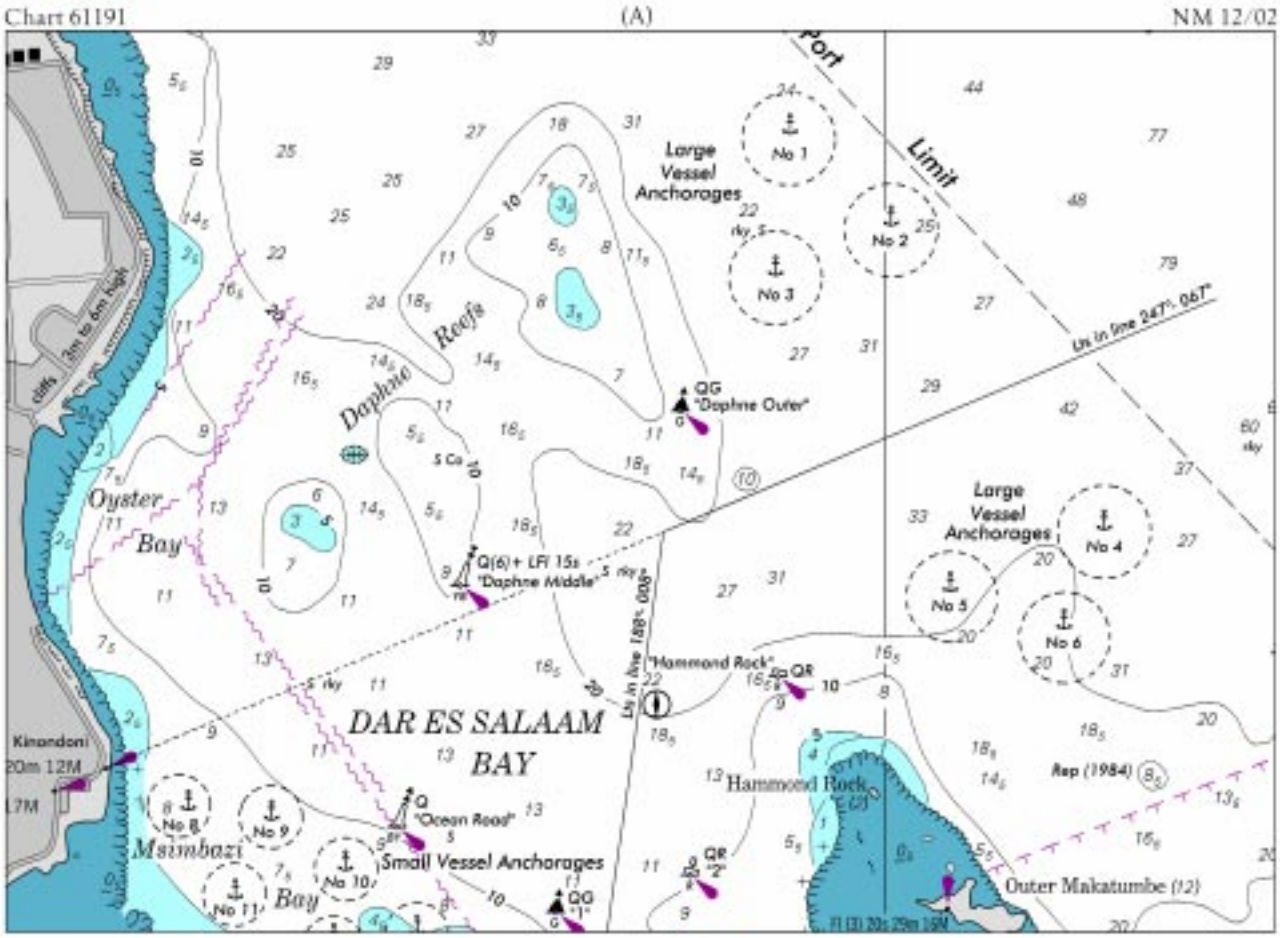


Chart 61191
(A)
NM 12/02
Port
Limit
Large
Vessel
Anchorages
No 1
No 2
No 3
No 4
No 5
No 6
No 8
No 9
No 10
No 11
Daphne
Reefs
QG
"Daphne Outer"
Q(6)+ LFl 15s
"Daphne Middle"
Oyster
Bay
DAR ES SALAAM
BAY
"Hammond Rock"
QR
Hammond Rock
Kinondoni
20m 12M
Q
"Ocean Road"
Msimbazi
Bay
Small Vessel Anchorages
QG
"1"
QR
"2"
Outer Makatumbe (12)
Rep (1984)
cliffs
3m to 6m high

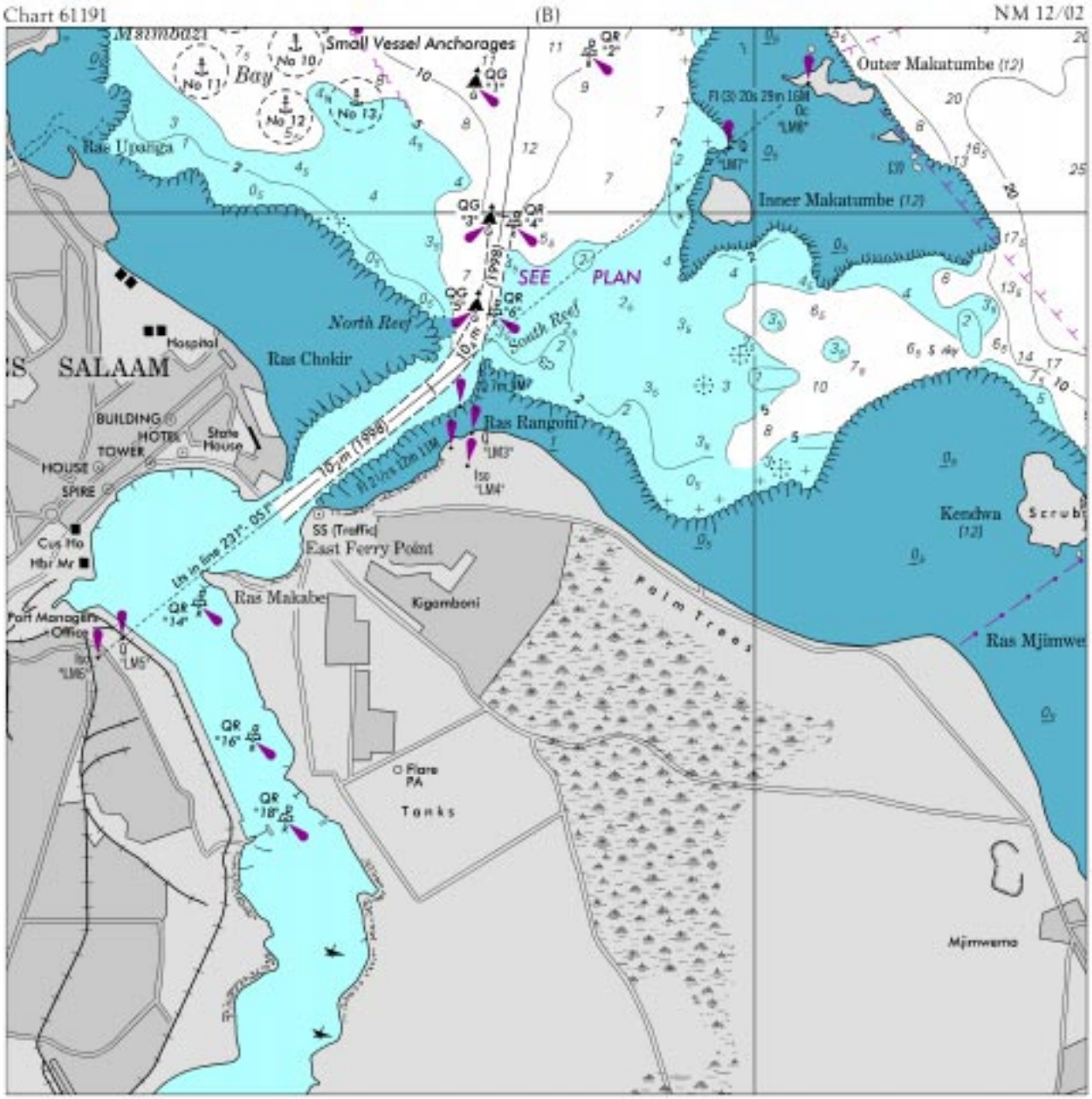
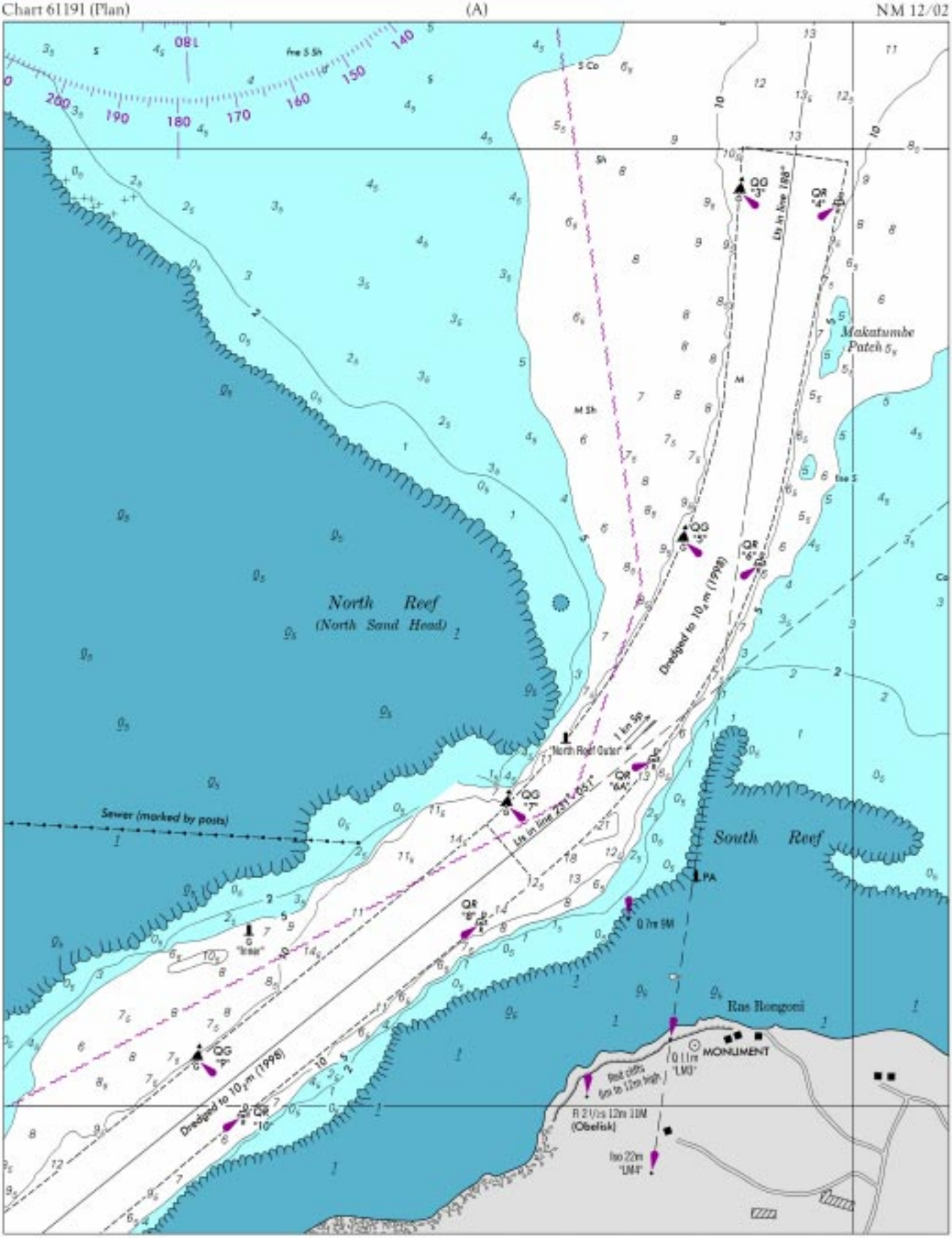


Chart 61191
(B)
NM 12/02
Small Vessel Anchorages
No 10
No 11
No 12
No 13
Bay
Ras Upanga
Outer Makatumbe (12)
Inner Makatumbe (12)
SEE PLAN
North Reef
South Reef
Ras Chokir
Hospital
SALAAM
BUILDING
HOTEL
TOWER
State House
HOUSE
SPIRE
Cus Ho
Hbr Mr
Port Managers Office
Ras Rangoni
East Ferry Point
Ras Makabe
Kigamboni
Palm Trees
Kendwa (12)
Ras Mjimwe
Flare PA
Tanks
Mjimwema

Chart 61191 (Plan) (A) NM 12/02



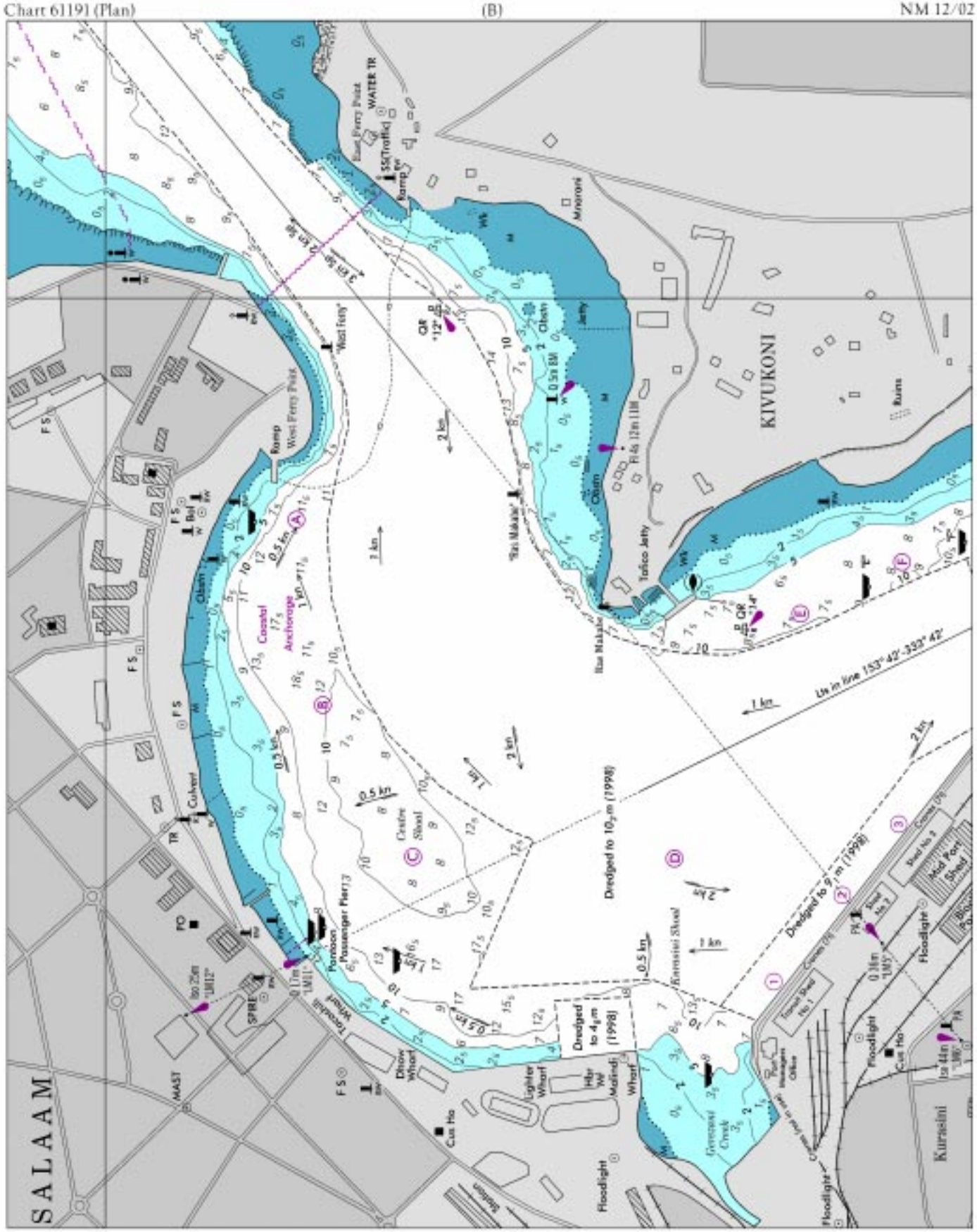


Chart 61191 (Plan)
(B)
NM 12/02
SALAAM
KIVUKONI
Kurasini
Coastal Anchorage
Dredged to 10.5 m (1998)
Dredged to 4.6 m (1998)
Ra Makale
Tofico Jetty
West Ferry Point
Passenger Pier
Floodlight
Cut Ho
Culvert
Ramp
Jetty
Ruins
Minerva
Lighter Wharf
Dhow Wharf
Kurasini Creek
Kurasini Shoal
Crane Shoal
Lts in line 153°42'-333°42'
1 km
2 km
0.5 km

Chart 61191 (Plan) (C) NM 12/02

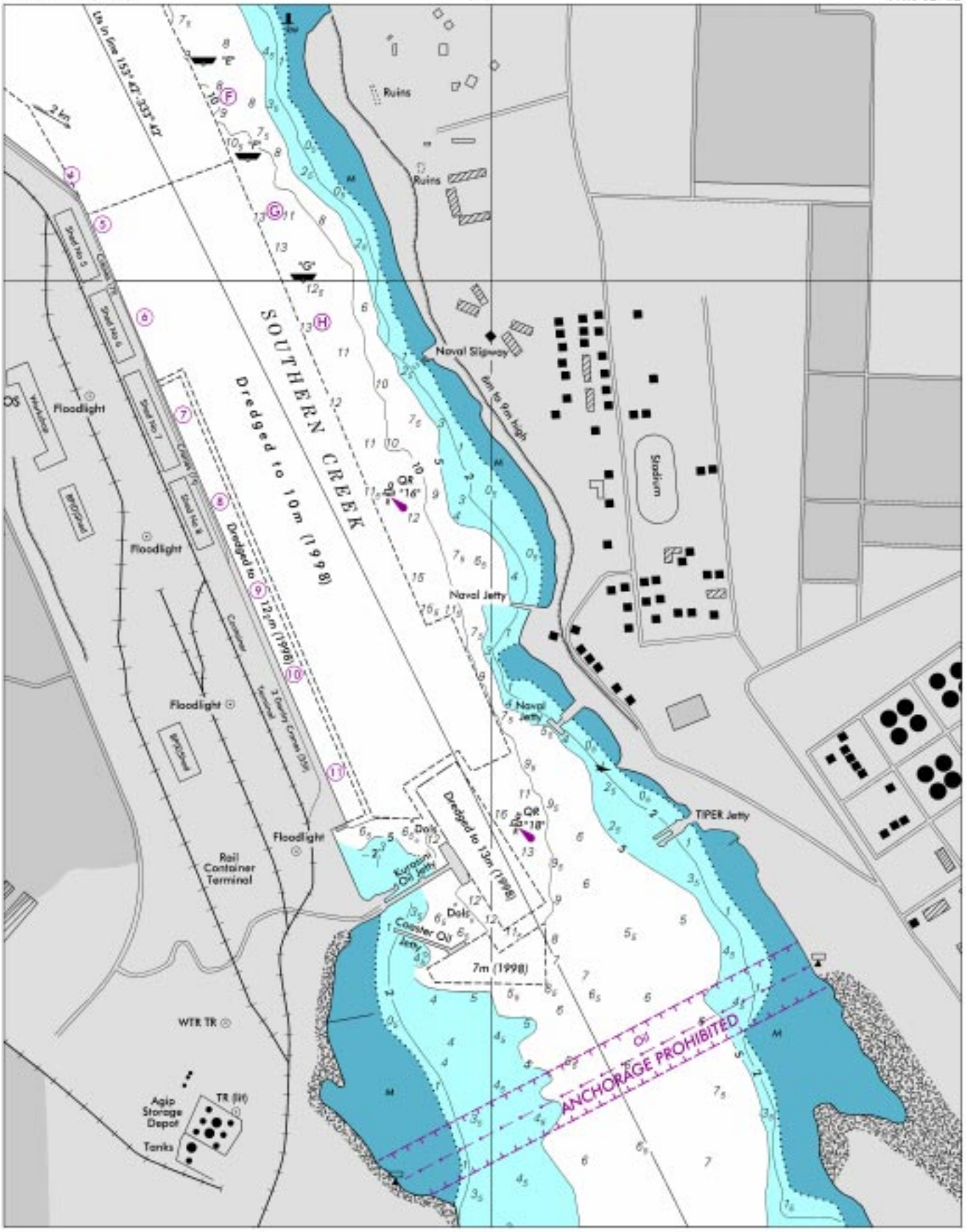


Chart 11506 NM 12/02

BRUNSWICK HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2001

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)	30.0	30.0	A26.0	11-01	500	7.7	32
PLANTATION CREEK RANGE	35.0	41.0	40.0	11-01	400	1.8	32
JEKYLL ISLAND RANGE	31.0	32.0	33.0	11-01	400	1.9	30
CEDAR HAMMOCK RANGE	30.0	31.0	30.0	11-01	400	1.4	30
BRUNSWICK PT CUT RANGE	26.0	29.0	27.0	11-01	400	2.4	30
EAST RIVER							
LOWER REACH	B30.0	30.0	29.0	11-01	400	1.1	30
UPPER REACH	27.0	28.0	27.0	11-01	350	1.0	27
EAST RIVER TURNING BASIN	32.0	32.0	32.0	11-01	750	0.2	30
TURTLE RIVER LOWER RANGE	35.0	31.0	30.0	11-01	300	1.7	30
BLYTHE ISLAND RANGE	31.5	26.0	26.5	11-01	300	1.5	30
TURTLE RIVER UPPER RANGE	28.0	29.0	28.0	11-01	300	2.7	30
SOUTH BRUNSWICK RIVER	31.0	30.5	32.0	11-01	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 30 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 30 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 11514 (Side A) NM 12/02

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2001

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	46.0	45.0	44.5	12-01	500	1.2	42
WRECKS CHANNEL (A)	42.0	48.0	47.0	46.0	12-01	500	1.5	42
CITY FRONT CHANNEL	43.0	44.5	45.0	41.0	12-01	500	1.5	42
MARSH ISLAND CHANNEL (B)	43.5	45.0	45.0	43.0	12-01	500	1.7	42
KINGS ISLAND CHANNEL (C)	39.0	39.0	39.5	39.0	12-01	500	2.1	42
WHITEHALL CHANNEL (D)	30.5	34.0	36.5	38.0	12-01	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	32.0	30.5	32.0	12-94; 12-01	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT, 31.0 FT 100 FT FROM BACKSIDE.

B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT, 29.0 FT 100 FT FROM BACKSIDE.

C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 45.0 FT, 44.0 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 31.0 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 18521 NM 12/02

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2001

* 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 * (MILES)	DEPTH * (FEET)
ENTRANCE RANGE	56	54	51	45	11-01	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	51	53	52	44	11-01	2640	2.2	48
LOWER DESDEMONA SHOAL	46	47	45	37	1,10-01	600	3.4	40
UPPER DESDEMONA SHOAL	43	46	46	45	10-01	600	3.7	40
TANSY POINT TURN AND RANGE	41	41	42	39	10,12-01	600	4.7	40
ASTORIA RANGE	41	41	42	40	10-01	600	2.7	40
TONGUE POINT CHANNEL	42	43	43	40	12-01	600	2.2	40
HARRINGTON POINT RANGE	42	43	43	42	10,12-01	600	2.6	40
MILLER SANDS RANGE	45	43	42	41	12-01	600	2.2	40

* CONTROLLING DEPTHS IN CHANNELS ENTERING FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER FROM THE ENTRANCE TO HARRINGTON POINT AND COLUMBIA RIVER DATUM ABOVE THAT POINT. PROJECT LENGTHS ARE IN STATUTE MILES.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18523 NM 12/02

COLUMBIA RIVER CHANNEL DEPTHS
MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD)						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	45	43	42	41	12- 01	600	2.2	40
PILLAR ROCK LOWER RANGE	39	41	41	42	11 - 01	600	3.0	40
PILLAR ROCK UPPER RANGE	40	44	43	41	10, 11 - 01	600	1.9	40
WELCH ISLAND REACH	40	43	40	44	10 - 01	600	3.2	40
SKAMOKAWA CHANNEL	38	42	42	40	11 - 01	600	3.3	40
STEAMBOAT REACH	49	47	45	42	10, 11 - 01	600	1.4	40
PUGET ISLAND RANGE AND TURN	43	43	42	41	11 - 01	600	3.5	40
WAUNA RANGE	41	41	42	43	11 - 01	600	2.2	40
DRISCOLL RANGE	41	40	42	42	11 - 01	600	1.7	40
WESTPORT TURN AND RANGE	41	42	42	41	11 - 01	600	2.0	40
WESTPORT CHANNEL	40	42	41	40	11 - 01	600	2.4	40
EUREKA LOWER CHANNEL	47	44	44	43	11 - 01	600	2.1	40
EUREKA UPPER CHANNEL	44	45	43	43	11 - 01	600	0.8	40
OAK POINT CHANNEL	48	47	48	47	11 - 01	600	2.4	40
GULL I TURN AND CHANNEL	44	48	42	41	11- 01	600	2.2	40

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

Chart 18524 NM 12/02

COLUMBIA RIVER CHANNEL DEPTHS
GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD)						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)
GULL I TURN AND CHANNEL	44	48	42	41	11-01	600	2.2	40
STELLA RANGE	40	42	43	40	11-01	600	2.8	40
FISHER I CHANNEL	43	44	49	43	11-01	600	0.9	40
WALKER I CHANNEL	42	44	44	41	11-01	600	1.5	40
BARLOW PT. CHANNEL	45	46	46	41	11-01	600	1.3	40
SLAUGHTERS CHANNEL	43	43	43	40	11-01	600	2.5	40
SLAUGHTERS TURN AND CHANNEL OPPOSITE THE TURNING BASIN	41	41	42	41	11-01	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	39	41	41	41	11-01	600	1.7	40
COTTONWOOD ISLAND TURN	41	43	43	40	11-01	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE AND TURN	41	44	44	44	11-01,1-02	600	1.6	40
KALAMA LOWER RANGE	42	41	44	38	11-01,1-02	600	1.8	40
KALAMA UPPER RANGE	39	41	41	38	1-02	600	2.2	40
BYBEE LEDGE CHANNEL	42	41	43	41	1-02	600	2.1	40
MARTIN ISLAND CHANNEL	39	41	41	39	1-02	600	2.1	40
MARTIN ISLAND RANGE	45	42	44	41	1-02	600	1.4	40
COLUMBIA CITY CHANNEL	42	41	44	43	1-02	600	1.2	40
ST. HELENS RANGE	42	43	42	39	1-02	600	2.0	40
ST. HELENS TURN	43	44	42	38	1-02	600	1.7	40

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

Chart 95276 NM 12/02

CAUTION
Depths of up to 3.3 meters less than charted may exist within the area.