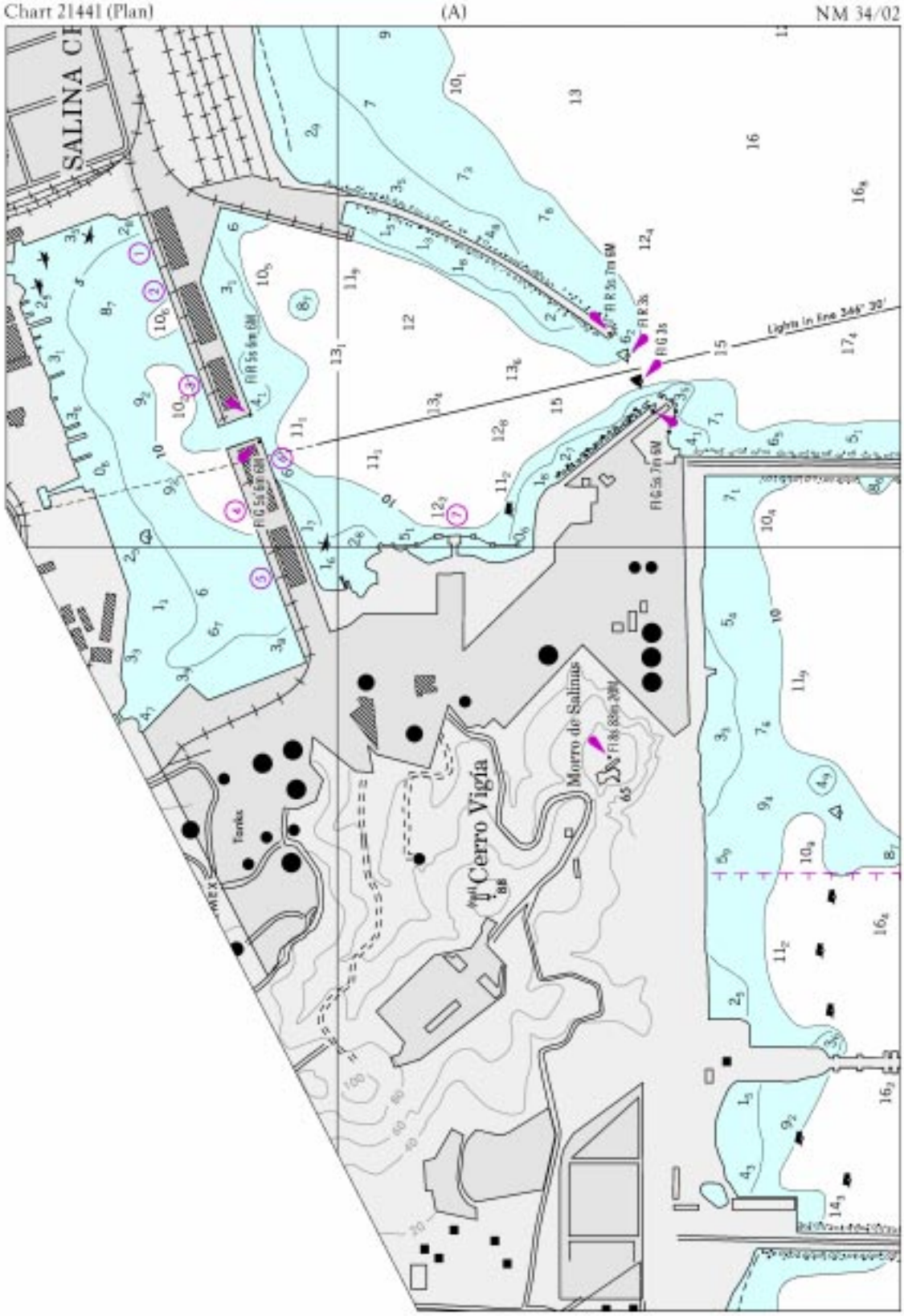
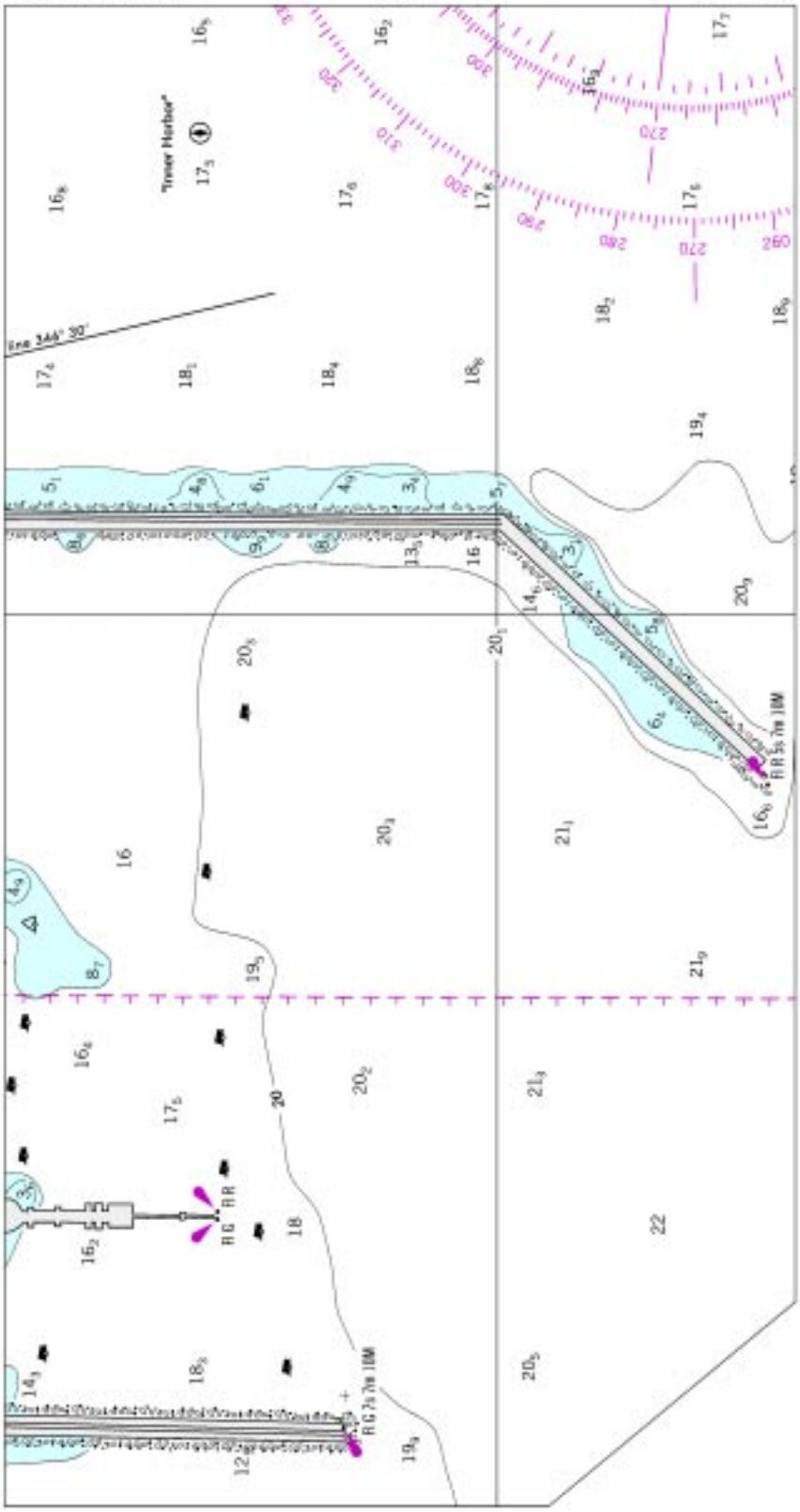


Chart 21441 (Plan)
(A)
NM 34/02
SALINA CR
Cerro Vigia
Morro de Salinas
Tanks
Lights in line 346° 30'

Chart 21441 (Plan) (B) NM 34/02



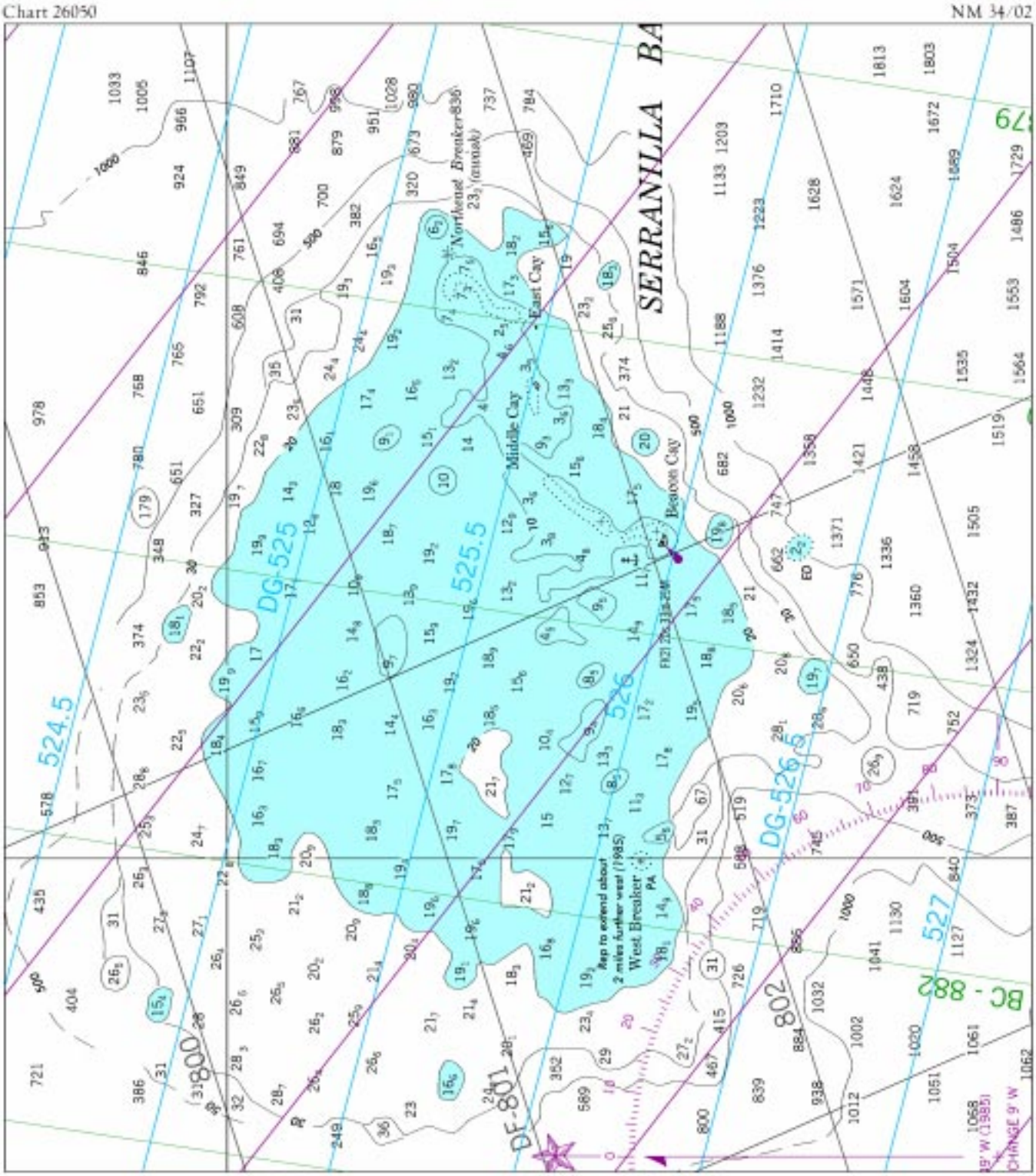


Chart 26050
NM 34/02
SERRANILLA BA
Northeast Breaker
East Cay
Middle Cay
Beacon Cay
West Breaker
DG-525
525.5
524.5
526
DG-526.5
527
BC - 882
DF-801
800
802
Rep to extend about 2 miles further west (1985)

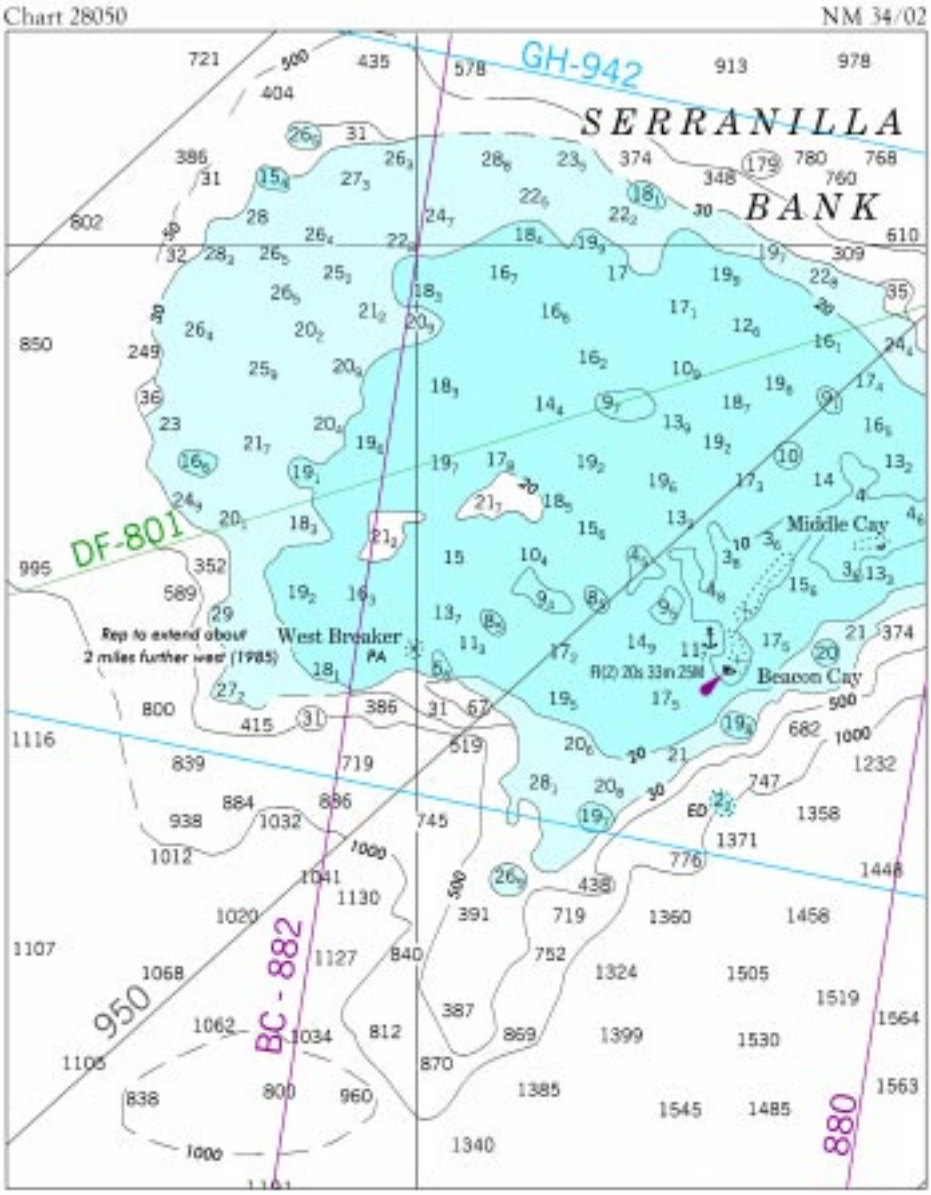


Chart 28050
NM 34/02
GH-942
SERRANILLA
BANK
DF-801
BC-882
950
880
Middle Cay
Beacon Cay
West Breaker
PA
Rep to extend about
2 miles further west (1985)

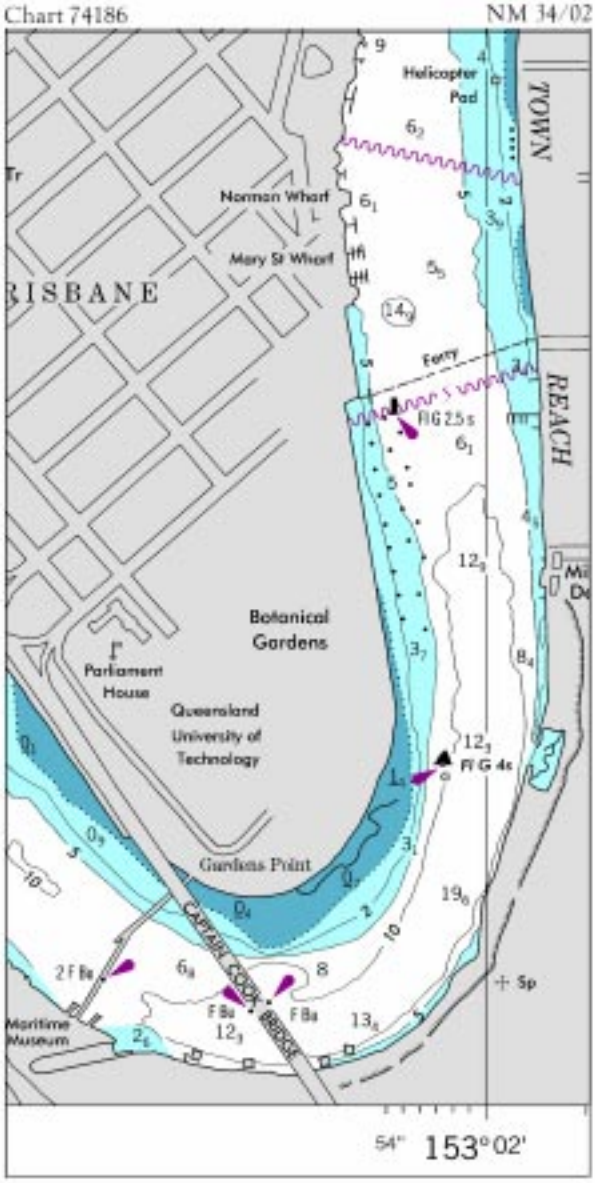
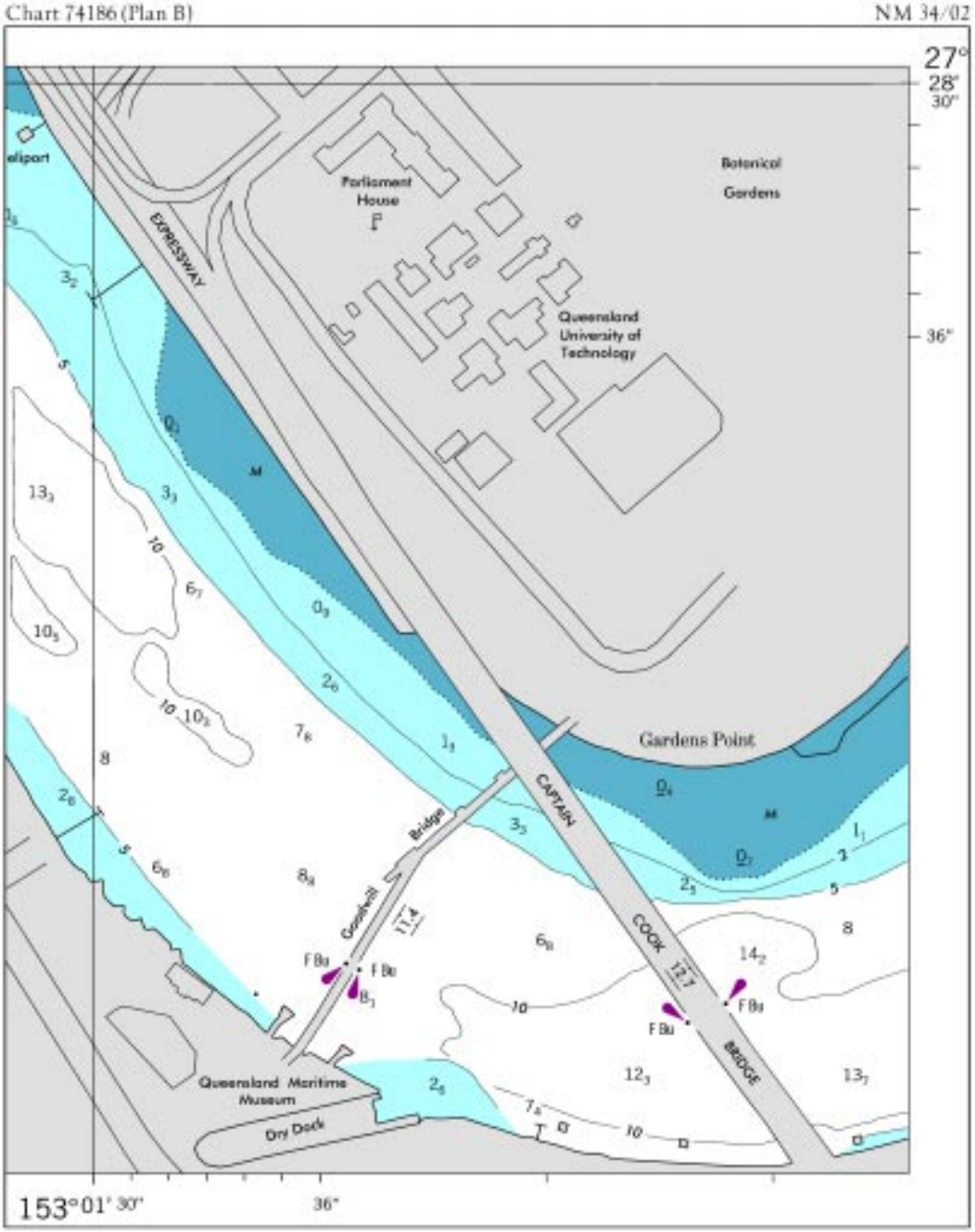


Chart 74186
NM 34/02
Helicopter Pad
TOWN
Norman Wharf
Mary St Wharf
BRISBANE
Ferry
REACH
Fl G 2.5 s
Botanical Gardens
Parliament House
Queensland University of Technology
Fl G 4s
Gardens Point
CAPTAIN COOK BRIDGE
2 F Bu
F Bu
F Bu
Maritime Museum
Sp
54"
153°02'

Chart 74186 (Plan B) NM 34/02



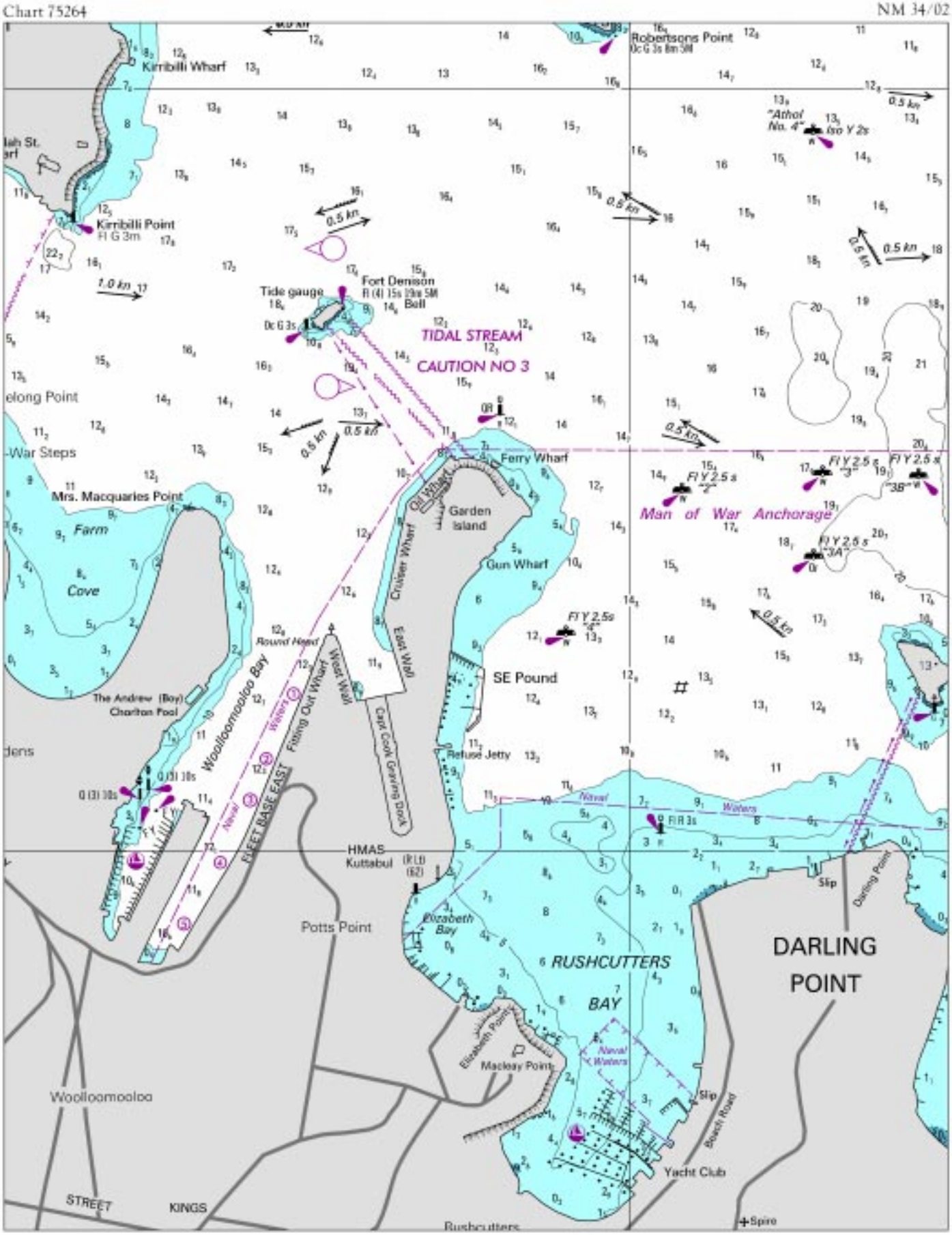


Chart 75264
NM 34/02
Kirribilli Wharf
Kirribilli Point
Fl G 3m
Robertsons Point
Tide gauge
Fort Denison
Bell
TIDAL STREAM
CAUTION NO 3
Ferry Wharf
Garden Island
Gun Wharf
Oil Wharf
Cruiser Wharf
East Wall
Mrs. Macquaries Point
Farm
Cove
Round Head
West Wall
Fitting Out Wharf
Woolloomooloo Bay
The Andrew (Boy) Charlton Pool
Capt Cook Graving Dock
SE Pound
Refuse Jetty
Man of War Anchorage
Naval Waters
FLEET BASE EAST
HMAS Kuttabul
Elizabeth Bay
Potts Point
RUSHCUTTERS BAY
Macleay Point
Elizabeth Point
Yacht Club
Slip
Beach Road
Darling Point
DARLING POINT
Woolloomooloo
STREET
KINGS
Rushcutters
Spire
War Steps
Fl Y 2.5 s
Iso Y 2s
"Athol No. 4"
0.5 kn
1.0 kn

Chart 11505 NM 34/02

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2002

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	44.0	44.0	45.0	44.0	6-02	600	3.3	44
BLOODY POINT RANGE	45.0	44.0	45.0	44.0	6-02	600	3.0	44
JONES ISLAND RANGE	45.5	44.0	44.0	44.5	6-02	600	1.2	44
TYBEE KNOLL CUT RANGE	43.0	44.5	43.5	43.5	6-02	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 11512 NM 34/02

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2002

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	44.0	44.0	45.0	44.0	6-02	600	3.3	44
BLOODY POINT RANGE	45.0	44.0	45.0	44.0	6-02	600	3.0	44
JONES ISLAND RANGE	45.5	44.0	44.0	44.5	6-02	600	1.2	44
TYBEE KNOLL CUT RANGE	43.0	44.5	43.5	43.5	6-02	500	2.5	42
NEW CHANNEL RANGE (A)	37.0	42.5	42.5	39.0	6-02	500	1.6	42
L. I. CROSSING RANGE	41.0	43.0	44.5	41.0	6-02	500	2.6	42
LOWER FLATS RANGE	42.0	46.0	46.0	43.0	6-02	500	1.3	42
UPPER FLATS RANGE	45.5	45.5	42.0	41.0	6-02	500	1.2	42
THE BIGHT CHANNEL	44.0	47.0	47.0	47.0	6-02	500	1.5	42
FT. JACKSON RANGE	45.5	47.0	47.0	42.0	6-02	500	0.7	42
OGLETHORPE RANGE	41.5	45.5	46.0	44.5	6-02	500	1.2	42
WRECKS CHANNEL (B)	41.0	45.5	47.0	45.5	6-02	500	1.5	42
CITY FRONT CHANNEL	43.0	43.5	44.0	35.0	6-02	500	1.5	42
MARSH ISLAND CHANNEL (C)	43.5	43.5	44.0	42.5	6-02	500	1.7	42
KINGS ISLAND CHANNEL (D)	39.0	41.0	39.5	40.5	6-02	500	2.1	42
WHITEHALL CHANNEL (E)	32.0	33.0	34.0	37.0	6-02	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	33.0	31.0	32.0	12-94; 6-02	200	1.2	30

A. OYSTER BED I.TURNING BASIN-CONTROLLING DEPTH 42.5 FT, 38.0 FT 100 FT FROM BACKSIDE.

B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 40.0 FT, 29.0 FT 100 FT FROM BACKSIDE.

C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 38.5 FT, 26.5 FT 100 FT FROM BACKSIDE.

D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 43.0 FT, 45.0 FT 100 FT FROM BACKSIDE.

E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT 100 FT FROM BACKSIDE.

F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 30.0 FT, 27.0 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 34/02

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2002

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	41.5	45.5	46.0	44.5	6-02	500	1.2	42
WRECKS CHANNEL (A)	41.0	45.5	47.0	45.5	6-02	500	1.5	42
CITY FRONT CHANNEL	43.0	43.5	44.0	35.0	6-02	500	1.5	42
MARSH ISLAND CHANNEL (B)	43.5	43.5	44.0	42.5	6-02	500	1.7	42
KINGS ISLAND CHANNEL (C)	39.0	41.0	39.5	40.5	6-02	500	2.1	42
WHITEHALL CHANNEL (D)	32.0	33.0	34.0	37.0	6-02	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	33.0	31.0	32.0	12-94; 6-02	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 40.0 FT, 29.0 FT 100 FT FROM BACKSIDE.
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 38.5 FT, 26.5 FT 100 FT FROM BACKSIDE.
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 43.0 FT, 45.0 FT 100 FT FROM BACKSIDE.
D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT 100 FT FROM BACKSIDE.
E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 30.0 FT, 27.0 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 34/02

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2002

* 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	55	56	51	43	3-02	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	50	53	50	44	3-02	2640	2.2	48
LOWER DESDEMONA SHOAL	43	34	27	15	3,4,5-02	600	3.4	40
UPPER DESDEMONA SHOAL	44	46	46	45	5-02	600	3.7	40
TANSY POINT TURN AND RANGE	41	40	41	38	5-02	600	4.7	40
ASTORIA RANGE	42	41	42	43	5-02	600	2.7	40
TONGUE POINT CHANNEL	39	42	42	41	5-02	600	2.2	40
HARRINGTON POINT RANGE	40	40	39	40	5-02	600	2.6	40
MILLER SANDS RANGE	37	42	41	39	5-02	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 18531 (Lower Panel) NM 34/02

COLUMBIA RIVER CHANNEL DEPTHS
TOMAHAWK BAR TO BONNEVILLE LOCKS

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

* 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)
TOMAHAWK BAR	18	18	17	10-01	300	3.7	27
AIRPORT BAR	17	15	14	10-01	300	2.8	27
GOVERNMENT ISLAND LOWER RANGE	15	16	15	10-01	300	1.1	27
GOVERNMENT ISLAND MIDDLE RANGE	16	16	17	10-01	300	1.6	27
FISHER QUARRY CHANNEL RANGE	26	24	24	10-01	300	1.0	27
GOVERNMENT ISLAND RANGE	20	24	24	10-01	300	1.1	27
GOVERNMENT ISLAND UPPER RANGE	16	18	22	10-01	300	0.8	27
LADY ISLAND RANGE	19	19	19	10-01	300	2.1	27
LADY ISLAND CHANNEL AND UPPER RANGE	27	26	21	10-01	300	0.9	27
WASHOUGAL LOWER RANGE	19	27	28	10-01	300	1.5	27
WASHOUGAL UPPER RANGE	20	20	28	10-01	300	1.1	27
GARY ISLAND RANGE	16	16	16	10-01	300	0.9	27
REED ISLAND RANGE	17	15	16	3,10-01	300	2.2	27
TUNNEL POINT CHANNEL	23	22	24	3-01	300	0.8	27
ROOSTER ROCK CHANNEL	23	21	21	3-01	300	1.2	27
CAPE HORN CHANNEL	29	29	28	3-01	300	2.4	27
CANDIANA CHANNEL	34	28	25	3-01	300	1.0	27
FASHION REEF LOWER RANGE	13	16	23	3-01	300	2.2	27
MULTNOMAH FALLS BAR RANGE	12	22	14	3-01	300	1.3	27
MULTNOMAH FALLS TURN	13	17	21	3-01	300	0.8	27
MULTNOMAH FALLS UPPER RANGE	19	20	26	3-01	300	3.2	27
MCGOWANS CHANNEL	38	29	26	3-01	300	1.1	27
WARRENDALE LOWER RANGE	22	22	19	3-01	300	0.9	27
WARRENDALE UPPER RANGE	25	27	19	3-01	300	0.8	27
HAMILTON ISLAND REACH	28	28	25	3-01	300	0.9	27
ENTRANCE TO BONNEVILLE LOCKS	24	32	26	3-01	300	0.6	27

* CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM AND MAINTAINED TO 15 FEET. PROJECT LENGTHS ARE IN STATUTE MILES.

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