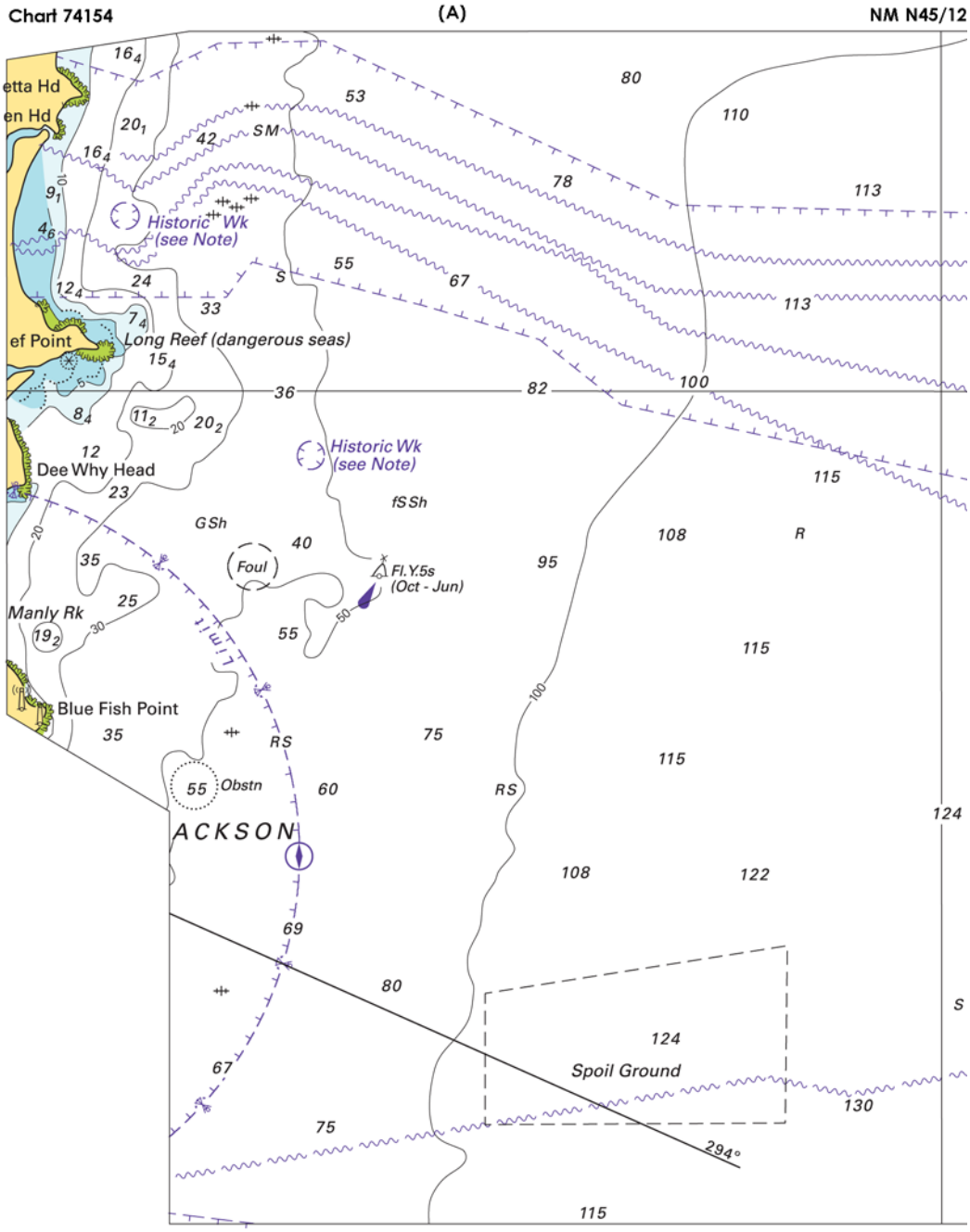


Chart 74154
(A)
NM N45/12
etta Hd
en Hd
ef Point
Long Reef (dangerous seas)
Historic Wk
(see Note)
Historic Wk
(see Note)
Dee Why Head
Manly Rk
Blue Fish Point
Foul
Fl.Y.5s
(Oct - Jun)
Obstn
ACKSON
Spoil Ground
294°

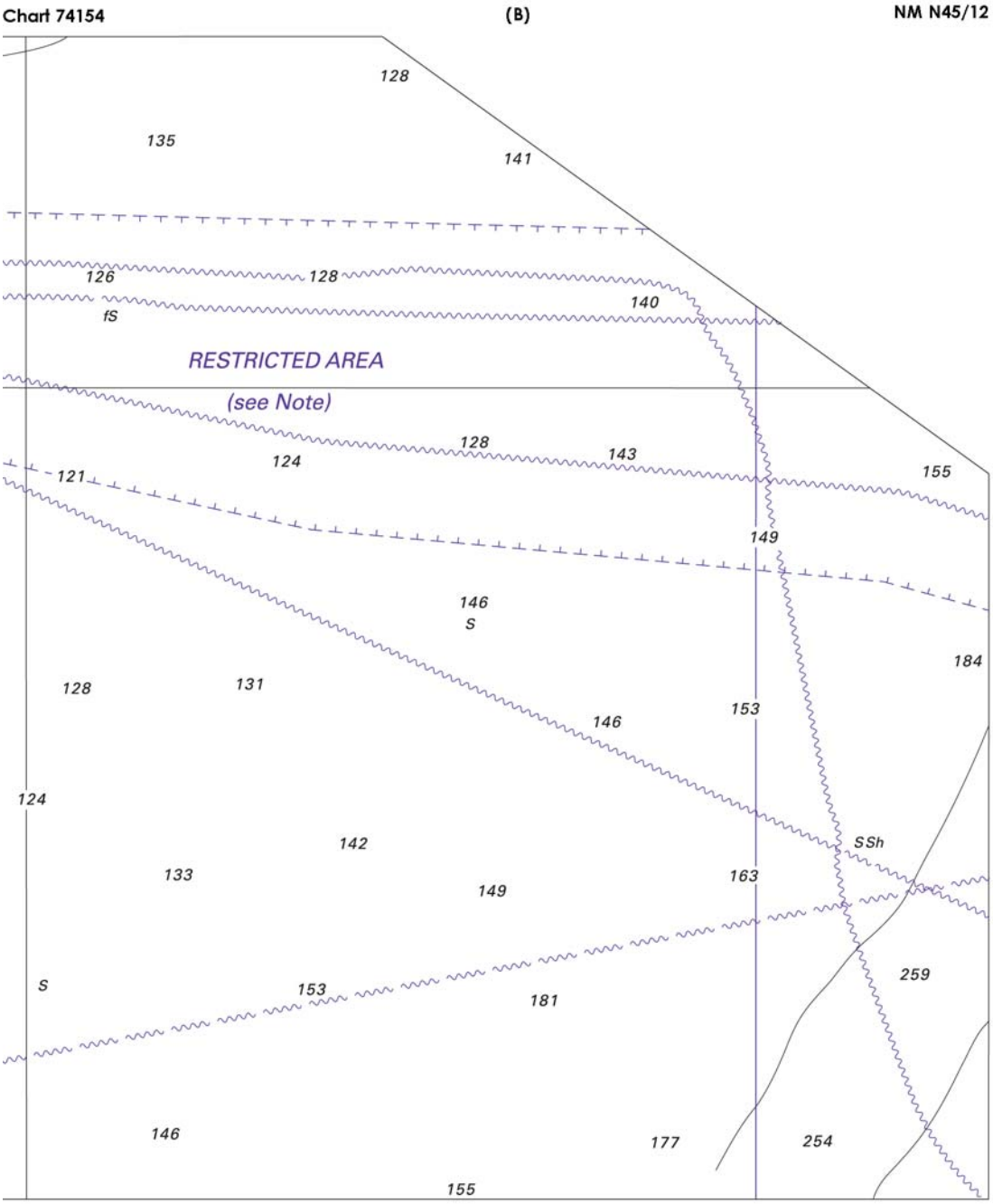
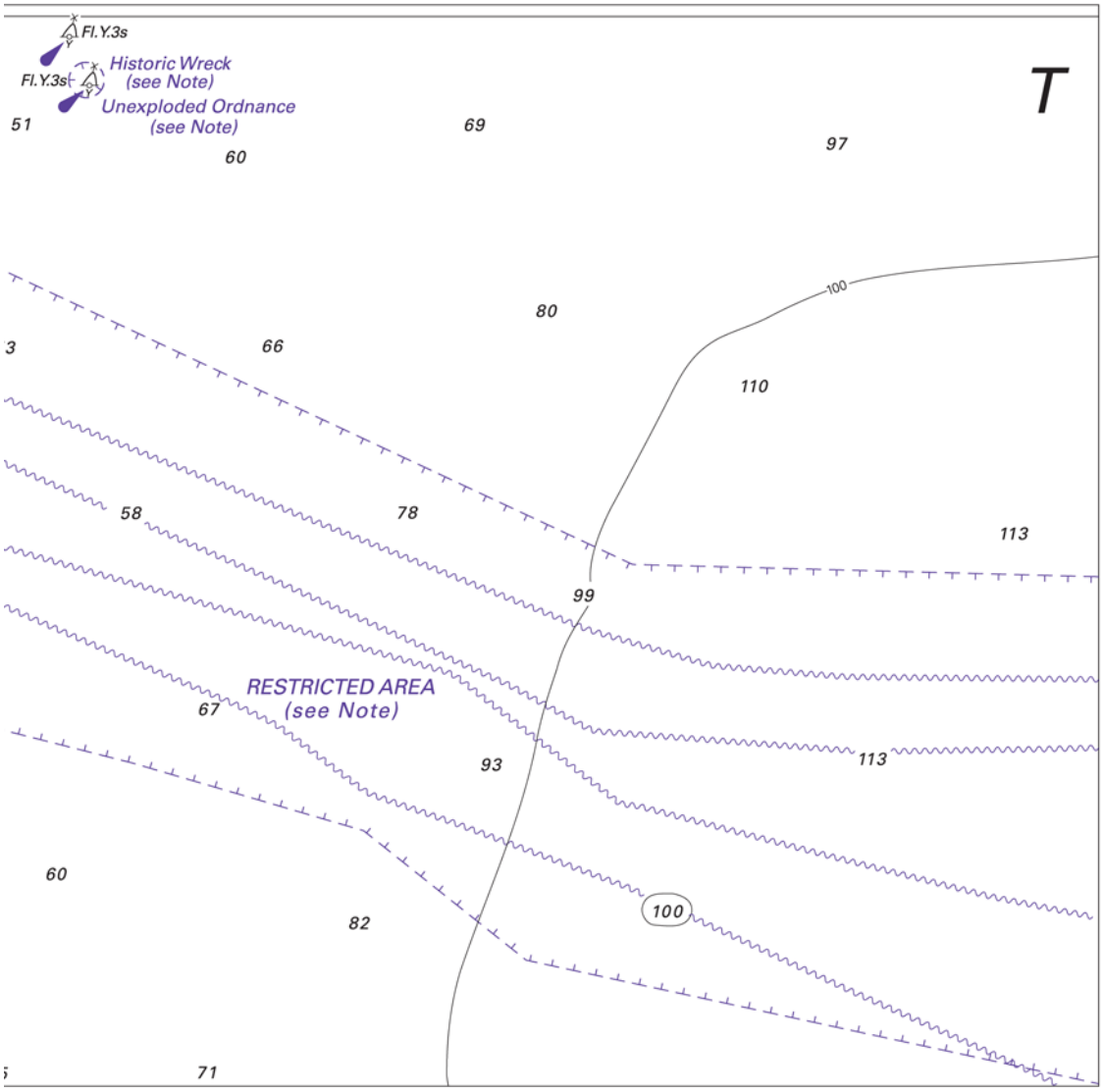


Chart 74154
(B)
NM N45/12
128
135
141
126
128
140
fS
RESTRICTED AREA
(see Note)
128
143
124
121
155
149
146
S
184
128
131
153
146
124
142
SSh
133
163
149
259
S
153
181
146
177
254
155

Chart 75266 (A) NM N45/12



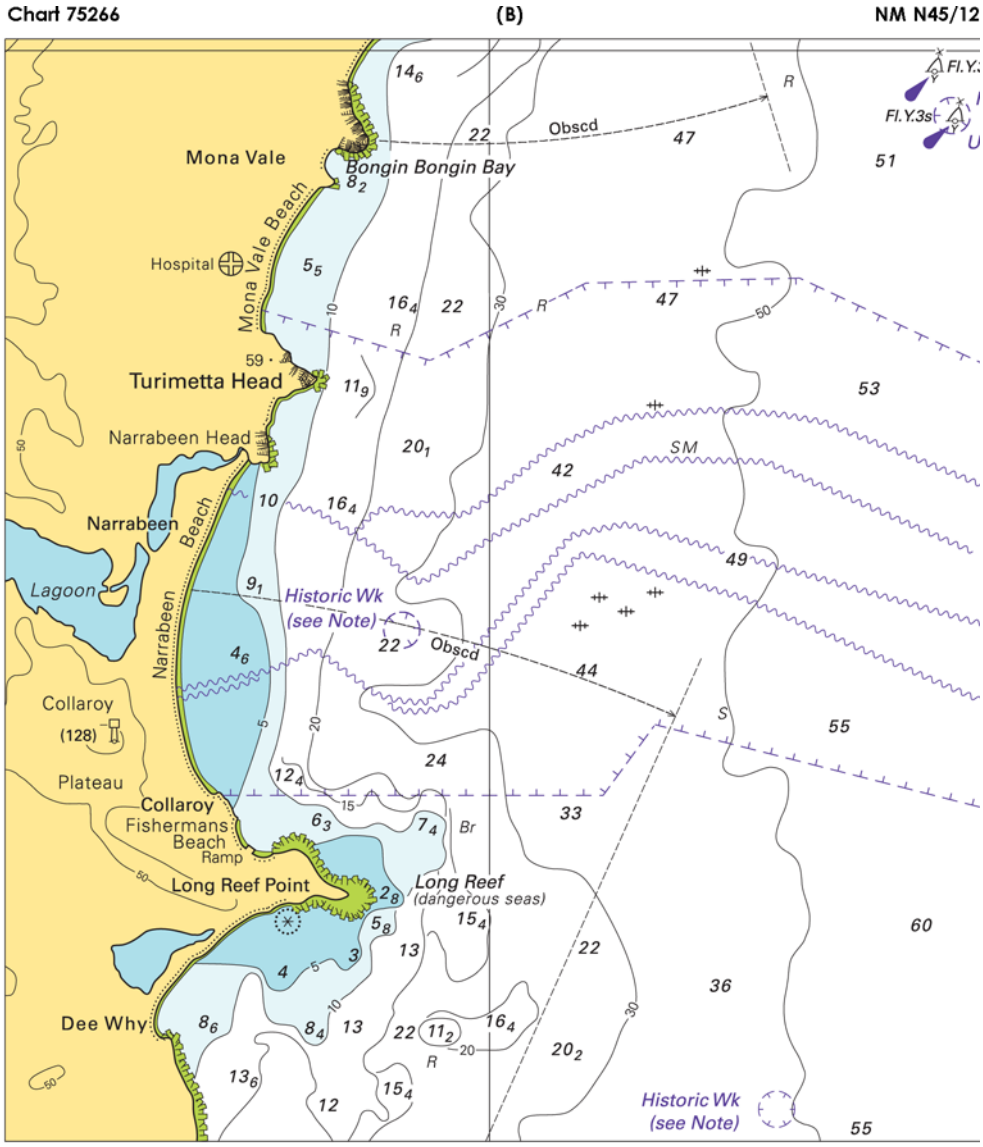
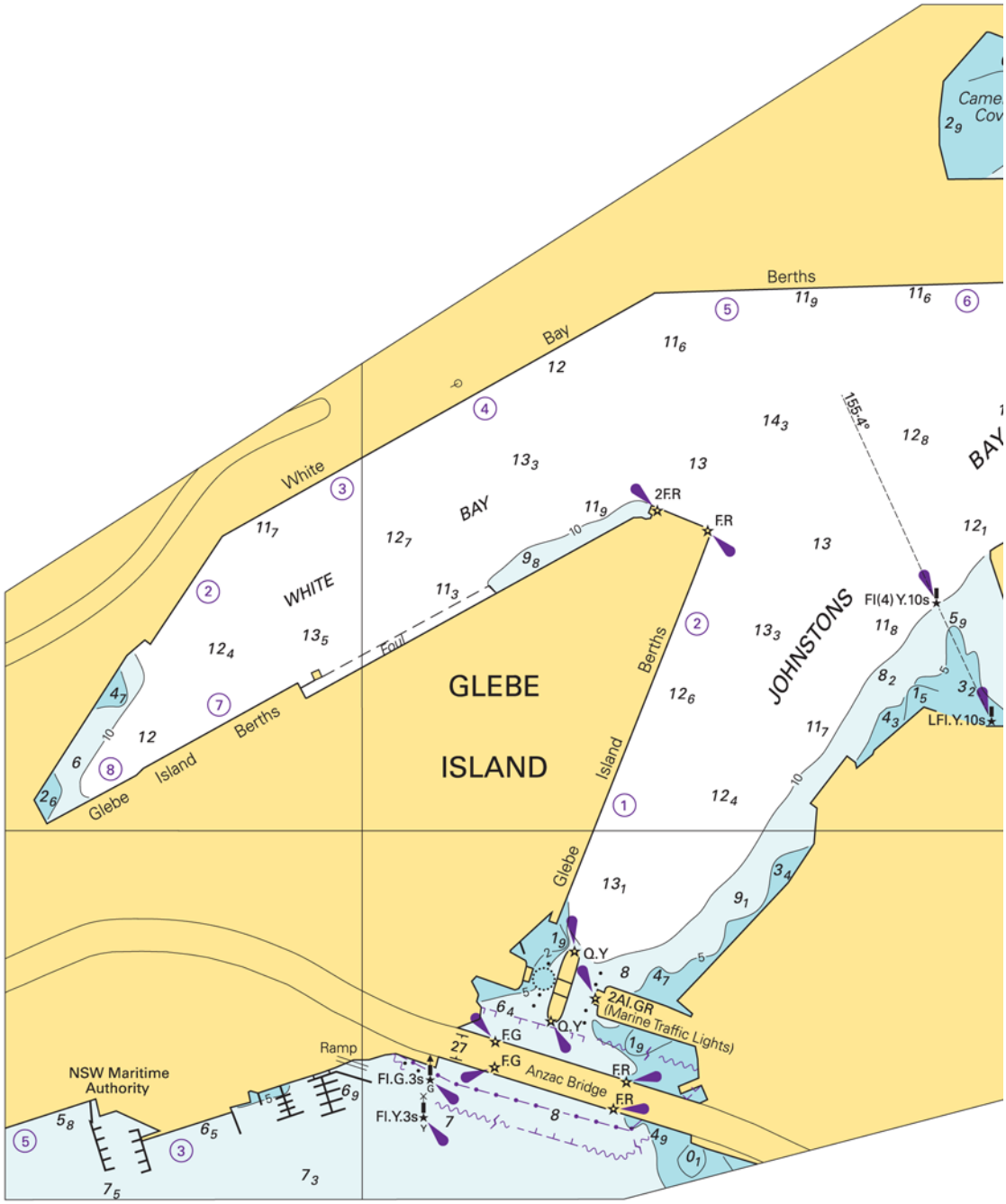


Chart 75266
(B)
NM N45/12
Mona Vale
Bongin Bongin Bay
Mona Vale Beach
Hospital
Turimetta Head
Narrabeen Head
Narrabeen
Beach
Lagoon
Narrabeen
Historic Wk
(see Note)
Obscd
Collaroy
(128)
Plateau
Collaroy
Fishermans
Beach
Ramp
Long Reef Point
Long Reef
(dangerous seas)
Dee Why
Historic Wk
(see Note)
Fl.Y.3s

Chart 75267 (A) NM N45/12



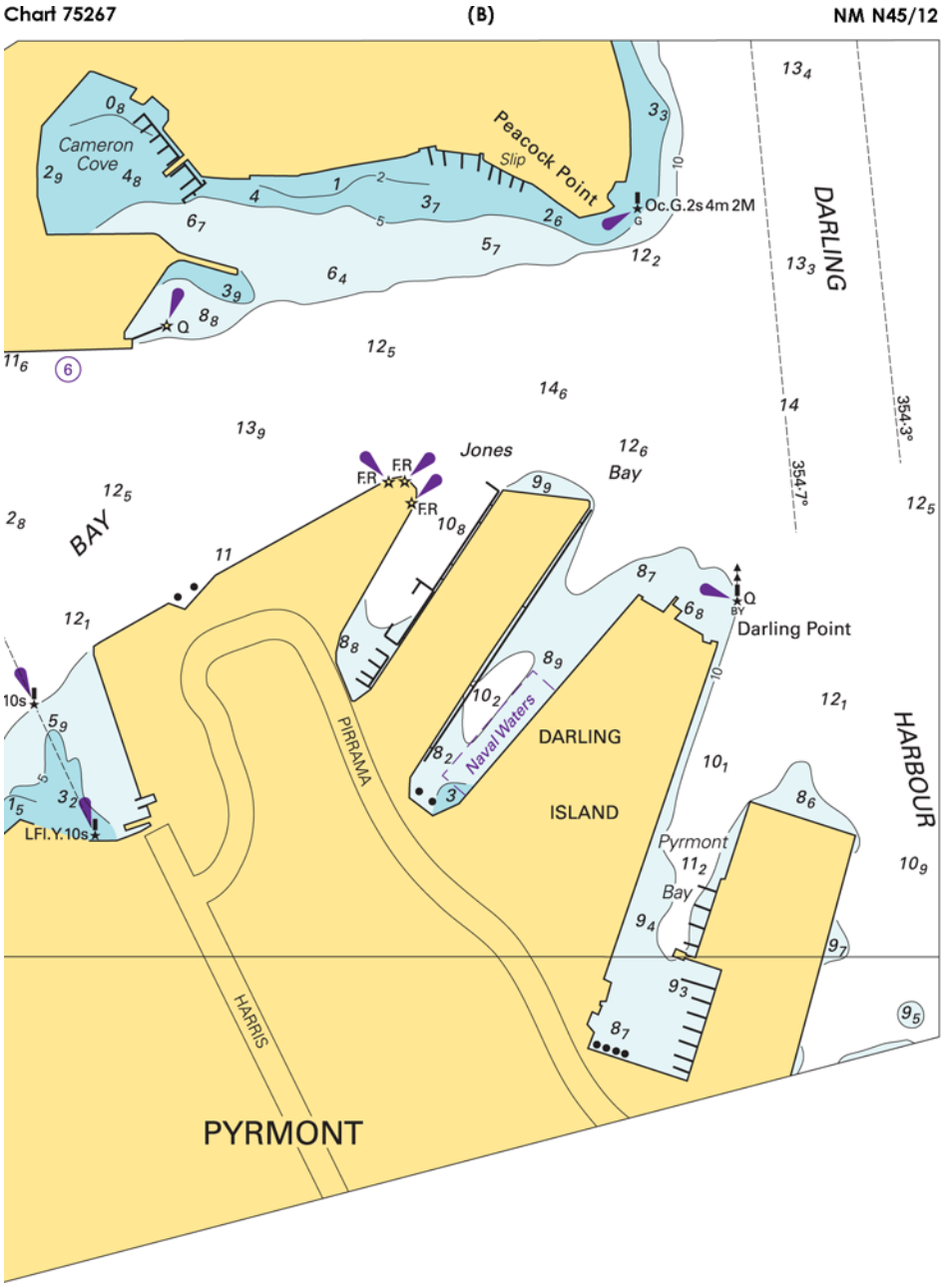


Chart 75267
(B)
NM N45/12
Cameron Cove
Peacock Point
Slip
Oc.G.2s4m2M
DARLING
Jones
Bay
BAY
Darling Point
Naval Waters
DARLING
ISLAND
PIRRAMA
HARRIS
Pyrmont
Bay
HARBOUR
PYRMONT
LFl.Y.10s
354·3°
354·7°

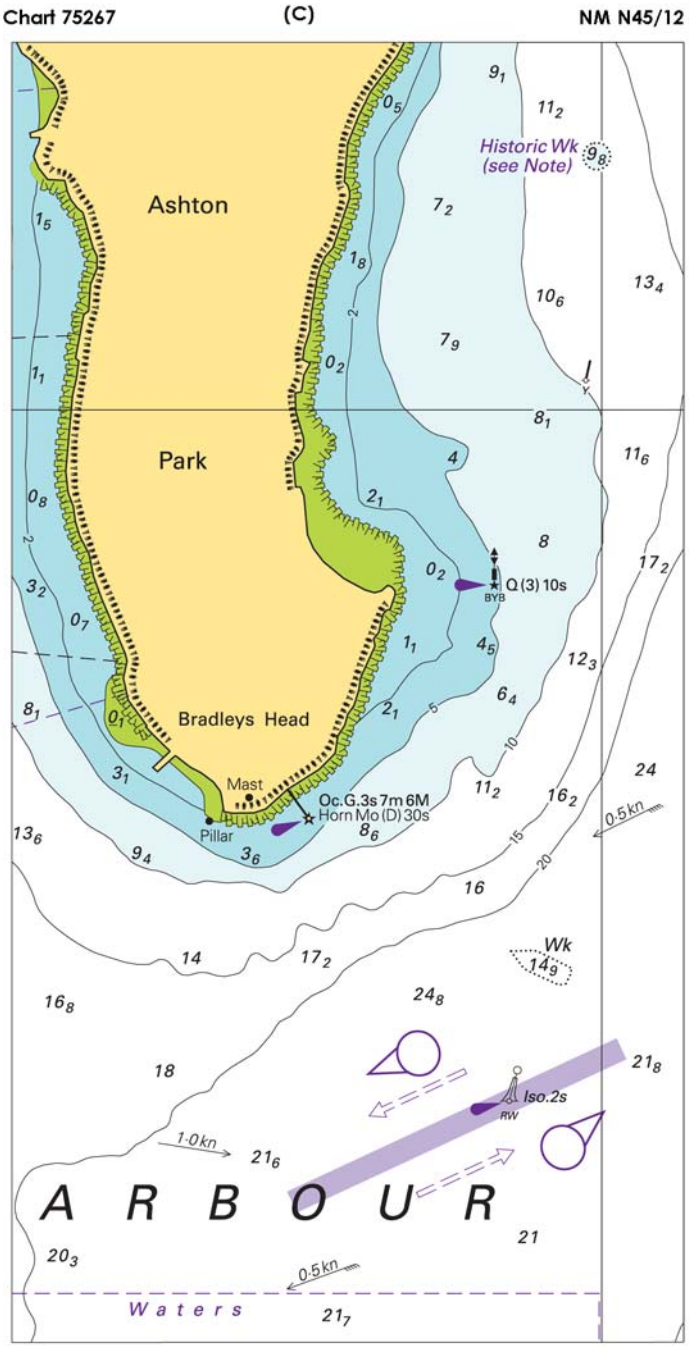


Chart 75267
(C)
NM N45/12
Ashton
Park
Bradleys Head
Historic Wk
(see Note)
Q (3) 10s
BYB
Mast
Pillar
Oc.G.3s 7m 6M
Horn Mo (D) 30s
0·5kn
Wk
Iso.2s
RW
1·0kn
A R B O U R
0·5kn
Waters

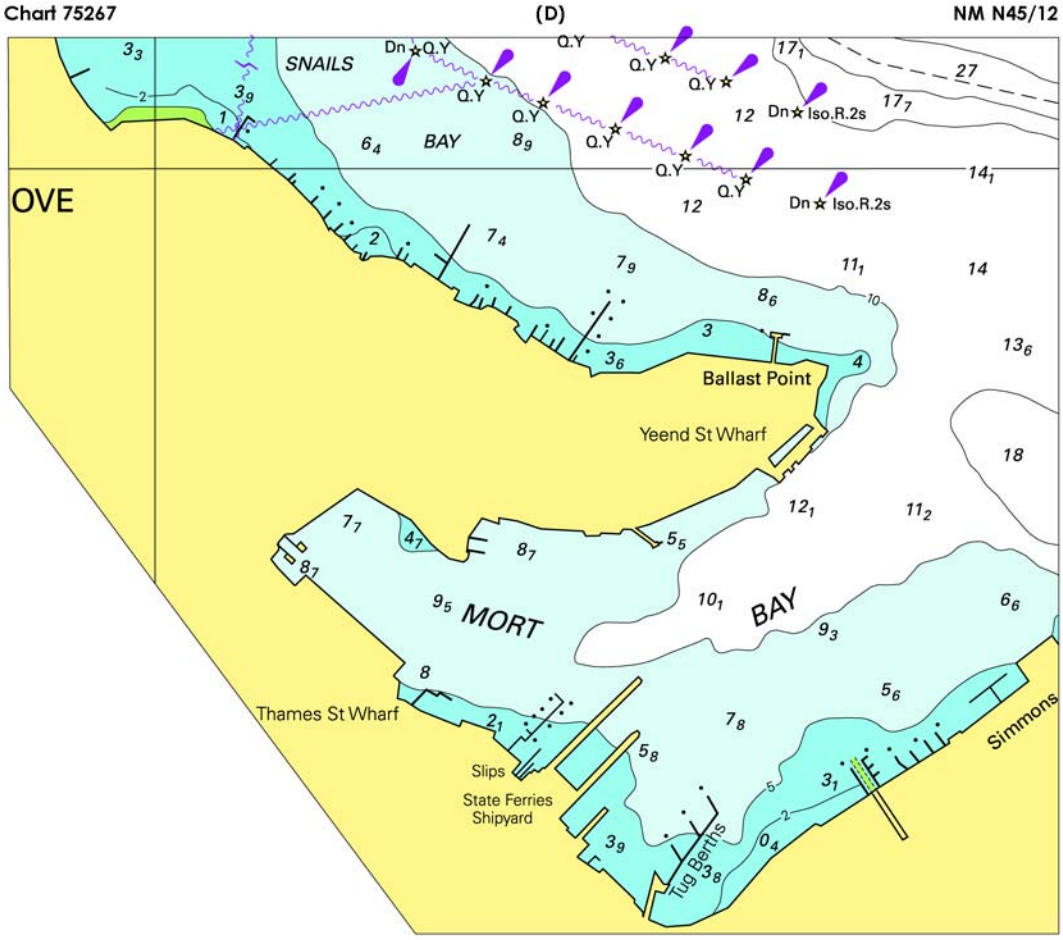


Chart 75267
(D)
NM N45/12
SNAILS
BAY
OVE
Dn Q.Y
Q.Y
Dn Iso.R.2s
Ballast Point
Yeend St Wharf
MORT
BAY
Thames St Wharf
Slips
State Ferries
Shipyard
Tug Berths
Simmons

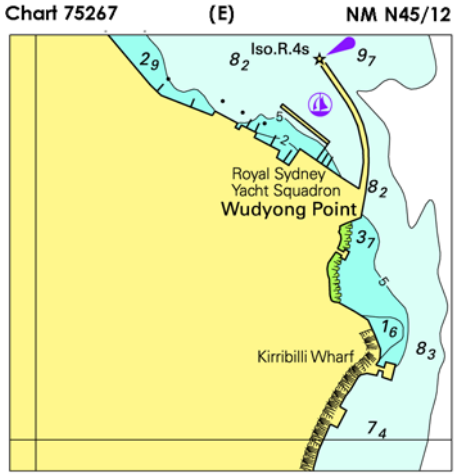


Chart 75267
(E)
NM N45/12
Iso.R.4s
Royal Sydney
Yacht Squadron
Wudyong Point
Kirribilli Wharf

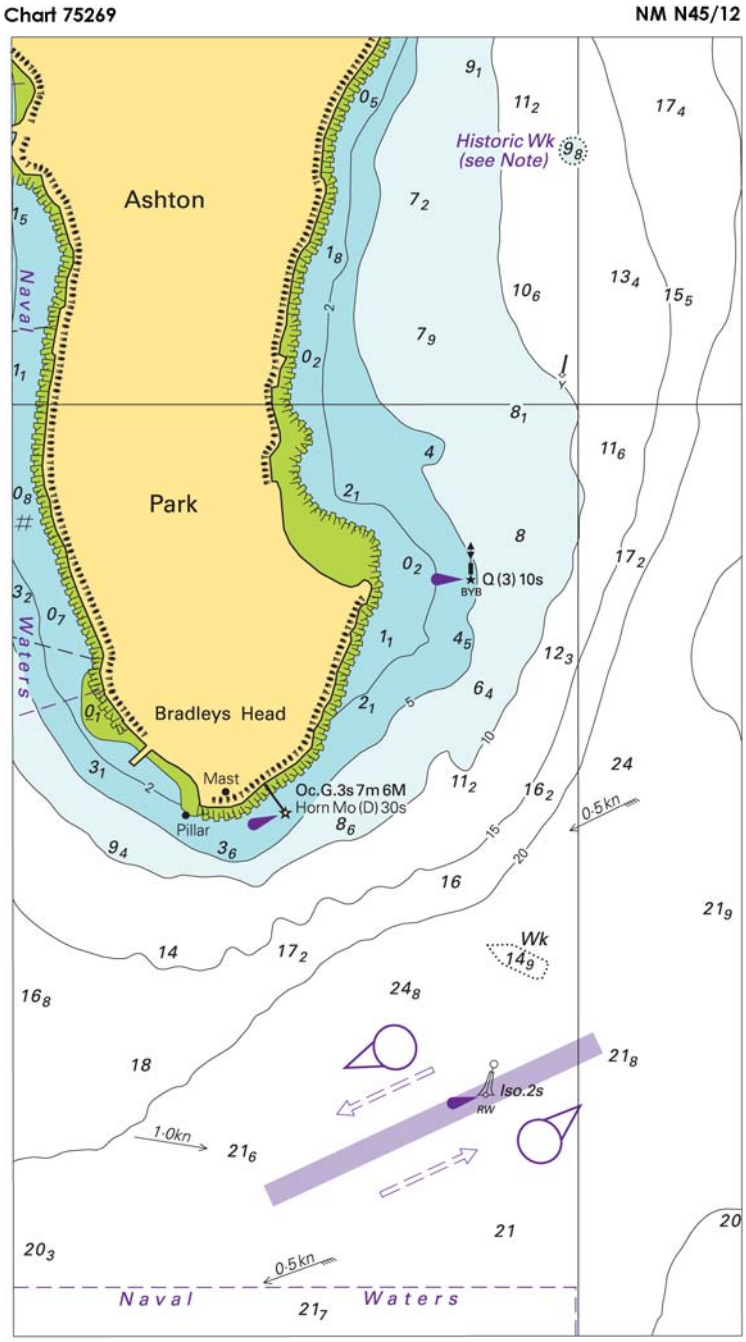


Chart 75269
NM N45/12
Ashton
Park
Bradleys Head
Naval
Waters
Historic Wk
(see Note)
Q (3) 10s
BYB
Mast
Pillar
Oc.G.3s 7m 6M
Horn Mo (D) 30s
Wk
Iso.2s
RW
1·0kn
0·5kn
Naval
Waters

Chart 11466 NM 45/12

LAKE WORTH INLET CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2012
AND SURVEYS TO APR 2012

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)
ENTRANCE CHANNEL	36.9	A37.6	36.1	4-12	400	1.00	35-37
LAKE WORTH INNER CHANNEL	33.4	36.2	33.9	4-12	300-480	.49	33

A. EXCEPT FOR A DANGEROUS WRECK AT APPROXIMATE POSITION 26°46'20.24"N, 80°02'12.64"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11545 NM 45/12

MOREHEAD CITY HARBOR CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2012
AND SURVEYS TO JUL 2012

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 (STAT. MILES)	DEPTH MLLW (FEET)
RANGE A	12.2	23.6	35.7	14.1	6-12	450-650	6.6	47
CUTOFF	43.0	27.3	8.0	8.0	7-12	600-800	0.7	45
RANGE B	35.1	38.1	42.8	37.7	5-12	400	1.3	45
RANGE C	33.6	46.7	44.2	39.0	5-12	1888	0.6	45
EAST LEG	45.3	44.1	43.8	43.1	5-12	455-880	0.3	45
WEST LEG	30.2	32.5	36.4	37.2	5-12	775	0.5	35
NORTHWEST LEG	18.2	30.9	32.4	27.6	5-12	120-1200	0.5	35

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

Chart 11547 NM 45/12

MOREHEAD CITY HARBOR CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2012
AND SURVEYS TO JUL 2012

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 (STAT. MILES)	DEPTH MLLW (FEET)
RANGE A	12.2	23.6	35.7	14.1	6-12	450-650	6.6	47
CUTOFF	43.0	27.3	8.0	8.0	7-12	600-800	0.7	45
RANGE B	35.1	38.1	42.8	37.7	5-12	400	1.3	45
RANGE C	33.6	46.7	44.2	39.0	5-12	1888	0.6	45
EAST LEG	45.3	44.1	43.8	43.1	5-12	455-880	0.3	45
WEST LEG	30.2	32.5	36.4	37.2	5-12	775	0.5	35
NORTHWEST LEG	18.2	30.9	32.4	27.6	5-12	120-1200	0.5	35

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

Chart 12251 NM 45/12

JAMES RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2011

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 (MILES)	DEPTH MLLW (FEET)
DANCING POINT - SWANN POINT							
SHOAL CHANNEL	22.7	23.9	23.9	10,11-11	300	7.6	35A
WEYANOKE SHOAL CHANNEL	30.6	30.9	29.5	5-02	300	0.6	35A
JORDAN POINT - HARRISON BAR							
WINDMILL POINT SHOAL CHANNEL	25.7	25.2	23.6	1-11	300	8.6	35A

A. CHANNEL MAINTAINED TO 25 FEET.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18583 NM 45/12

SIUSLAW RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2012 AND SURVEYS TO JUL 2012

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 (MILES)	DEPTH MLLW (FEET)
SIUSLAW RIVER ENTRANCE							
ENTRANCE TO MILE 0.2	19	19	18	7-12	300	0.8	18
MILE 0.2 TO MILE 0.8	14	16	16	7-12	200	0.6	16
CANNERY HILL REACH	14	13	11	6-12	200	1.3	16
SPRUCE POINT BEND	9	10	12	5-10	200	1.7	16
FLORENCE							
MILE 4.0 TO HIGHWAY BRIDGE	9	11	12	5-11	200	0.6	16
TURNING BASIN	15	14	7	5-11	400	1.1	16
TURNING BASIN TO ROSE HILL	9	9	9	5-11	150	0.9	12
NORTH FORK SHOAL	9	10	10	11-10	150	1.5	12
CUSHMAN	11	11	11	11-10	150	0.9	12

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

Chart 18584 NM 45/12

UMPQUA RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2012 AND SURVEYS TO AUG 2012

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 (MILES)	DEPTH MLLW (FEET)
UMPQUA RIVER ENTRANCE							
ENTRANCE CHANNEL	24	28	27	8-12	—	1.2	26
UMPQUA RIVER TURN	23	22	24	8-12	200	1.3	22
SALMON HARBOR REACH	23	23	21	5-12	200	2.1	22
BARRETTS RANGE	20	20	20	10-11	200	2.0	22
MILE SIX BAR	21	21	21	3-11	200	2.2	22
CANNERY SANDS							
JCT TO LEEDS ISLAND LIGHT	15	15	14	4-11	200	1.8	22
GARDINER CHANNEL	13	12	4	4-11	200	1.2	22
TURNING BASIN	5	3	1	4-11	—	0.2	22
REEDSPORT REACH							
CHANNEL (9.65-10.8)	17	17	17	5-11	200	1.15	22
TURNING BASIN	22	25	23	5-11	600	0.2	22
CHANNEL (11.0-11.8)	13	13	8	5-11	200	0.8	22
WINCHESTER BAY							
WEST CHANNEL	10	12	12	10-11	100	0.8	16
EAST CHANNEL (0.0-0.7)	11	11	11	10-11	100	0.7	16
EAST CHANNEL (0.7-0.9)	9	5	4	10-11	75	0.2	12

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

Chart 18649 NM 45/12

SAN FRANCISCO BAY

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2012

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)
MAIN SHIP CHANNEL:								
ENTRANCE	52.0	54.0	55.0	54.0	8-12	2000	4.3	55

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

Chart 18652 (Page E) NM 45/12

SUISUN BAY AND SAN JOAQUIN RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2012

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	45	48	50	8-12	300	0.8	35
BULLS HEAD CHANNEL	38	39	35	8-12	300-350	1.2	35
EAST BULLS HEAD CHANNEL	33	34	32	8-12	350	1.1	35
PT. EDITH CROSSING RANGE	36	34	32	8-12	350	1.1	35
PRESTON PT. REACH	36	36	29	8-12	350	0.9	35
ROE ISLAND CHANNEL	34	35	34	8-12	350	1.1	35
PORT CHICAGO REACH	38	36	36	8-12	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	36	36	35	8-12	350	1.29	35
EAST REACH	35	37	35	8-12	350	1.09	35
NEW YORK SLOUGH							
WEST REACH	34	34	35 A	8-11	400	1.3	35
EAST REACH	32	35	34	8-11	400	1.7	35
SAN JOAQUIN RIVER							
ANTIOCH REACH	30.8	30.4	28.8	8-07	400	3.3	35

A. AN OBSTRUCTION WITH A DEPTH OF 36 FEET IS LOCATED AT 38°02'41.2" N 121°53'21.32" W

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

Chart 18656 NM 45/12

SUISUN BAY

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2012

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	45	48	50	8-12	300	0.8	35
BULLS HEAD CHANNEL	38	39	35	8-12	300-350	1.2	35
EAST BULLS HEAD CHANNEL	33	34	32	8-12	350	1.1	35
PT. EDITH CROSSING RANGE	36	34	32	8-12	350	1.1	35
PRESTON PT. REACH	36	36	29	8-12	350	0.9	35
ROE ISLAND CHANNEL	34	35	34	8-12	350	1.1	35
PORT CHICAGO REACH	38	36	36	8-12	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	36	36	35	8-12	350	1.29	35
EAST REACH	35	37	35	8-12	350	1.09	35
NEW YORK SLOUGH							
WEST REACH	34	34	35 A	8-11	400	1.3	35
EAST REACH	32	35	34	8-11	400	1.7	35

A. AN OBSTRUCTION WITH A DEPTH OF 36 FEET IS LOCATED AT 38°02'41.2" N 121°53'21.32" W

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

Chart 18657 NM 45/12

SUISUN BAY

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2012

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	45	48	50	8-12	300	0.8	35
BULLS HEAD CHANNEL	38	39	35	8-12	300-350	1.2	35
EAST BULLS HEAD CHANNEL	33	34	32	8-12	350	1.1	35
PT. EDITH CROSSING RANGE	36	34	32	8-12	350	1.1	35

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

Chart 18658 NM 45/12

SUISUN BAY

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2012

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)
BULLS HEAD CHANNEL	38	39	35	8-12	300-350	1.2	35
EAST BULLS HEAD CHANNEL	33	34	32	8-12	350	1.1	35
PT. EDITH CROSSING RANGE	36	34	32	8-12	350	1.1	35
PRESTON PT. REACH	36	36	29	8-12	350	0.9	35
ROE ISLAND CHANNEL	34	35	34	8-12	350	1.1	35
PORT CHICAGO REACH	38	36	36	8-12	350	0.52	35
MIDDLE GROUND CHANNEL							
WEST REACH	36	36	35	8-12	350	1.29	35
EAST REACH	35	37	35	8-12	350	1.09	35

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

Chart 18666 NM 45/12

SUISUN BAY

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2012

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)
MIDDLE GROUND CHANNEL							
WEST REACH	36	36	35	8-12	350	1.29	35
EAST REACH	35	37	35	8-12	350	1.09	35
NEW YORK SLOUGH							
WEST REACH	34	34	35A	8-11	400	1.3	35
EAST REACH	32	35	34	8-11	400	1.7	35

A. AN OBSTRUCTION WITH A DEPTH OF 36 FEET IS LOCATED AT 38° 02'41.2"N 121°53' 21.32"W.

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

Chart 75267 NM N45/12

HISTORIC WRECK

The site of an historic wreck is protected from unauthorised interference. For details see Australian Seafarers Handbook AHP 20.