

Chart 97371

(A)

NM 33/16

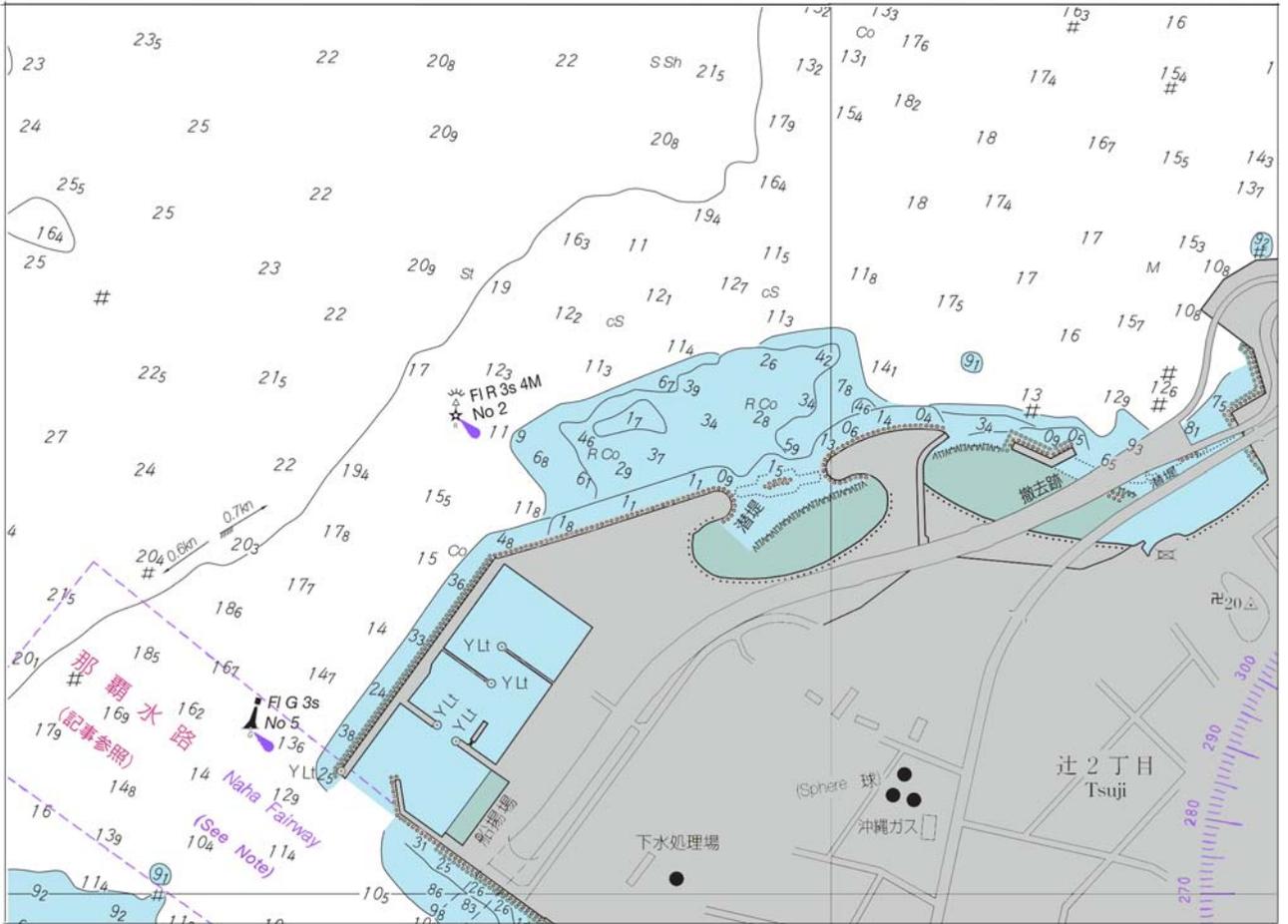
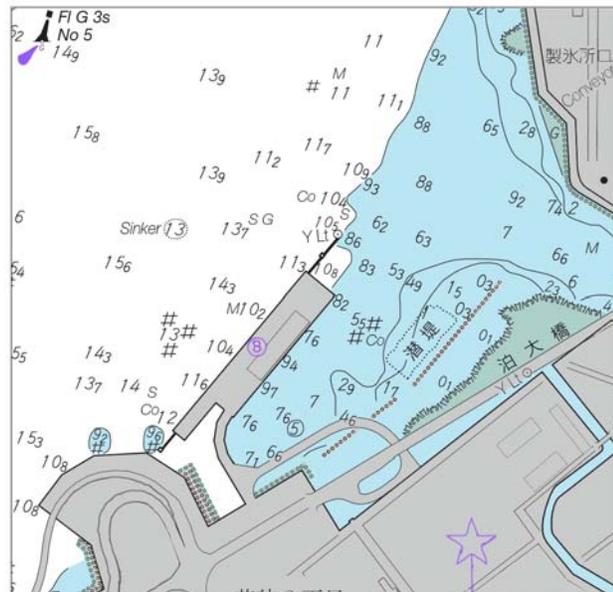


Chart 97371

(B)

NM 33/16



SECTION I

Chart 11505

NM 33/16

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2015								
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 (MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	44.0	43.0	45.0	43.0	9-15	600	3.79	44
BLOODY POINT RANGE	43.0	43.0	43.5	41.5	9-15	600	3.41	44
JONES ISLAND RANGE	42.0	42.5	44.0	43.5	9-15	600	1.33	44
TYBEE KNOLL CUT RANGE	42.5	43.5	43.0	42.5	9-15	500	2.84	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 33/16

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2015								
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 (MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	44.0	43.0	45.0	43.0	9-15	600	3.79	44
BLOODY POINT RANGE	43.0	43.0	43.5	41.5	9-15	600	3.41	44
JONES ISLAND RANGE	42.0	42.5	44.0	43.5	9-15	600	1.33	44
TYBEE KNOLL CUT RANGE	42.5	43.5	43.0	42.5	9-15	500	2.84	42
NEW CHANNEL RANGE (A)	35.0	39.5	43.0	40.5	9-15	500	1.89	42
L. I. CROSSING RANGE	39.5	41.5	41.5	40.0	9-15	500	3.03	42
LOWER FLATS RANGE	39.5	43.0	43.5	37.5	9-15	500	1.52	42
UPPER FLATS RANGE	44.0	43.5	42.5	40.0	9-15	500	1.33	42
THE BIGHT CHANNEL	43.5	45.5	48.0	48.5	9-15	500	1.7	42
FT. JACKSON RANGE	42.5	45.0	45.0	41.0	9-15	500	0.76	42
OGLETHORPE RANGE	39.5	44.5	45.0	40.0	9-15	500	1.33	42
WRECKS CHANNEL (B)	38.5	42.5	45.5	41.5	9-15	500	1.7	42
CITY FRONT CHANNEL	41.5	44.5	44.0G	38.5	9-15	500	1.7	42
MARSH ISLAND CHANNEL (C)	39.0H	42.5	41.5	40.0	9-15	500	1.9	42
KINGS ISLAND CHANNEL (D)	39.0	40.5	39.5	39.5I	9-15	500	2.46	42
WHITEHALL CHANNEL (E)	23.0	23.5	24.0	25.0	9-15	400	0.66	42-36
PORT WENTWORTH CHANNEL (F)	30.0J	21.0	21.0	32.0	12-94; 9-15	200	1.33	30

A. OYSTER BED I. TURNING BASIN-CONTROLLING DEPTH 43.5 FT, 42.0 FT 100 FT FROM BACKSIDE.
 B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 35.0 FT, 25.0 FT 100 FT FROM BACKSIDE.
 C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 29.0 FT, 20.0 FT 100 FT FROM BACKSIDE.
 D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 34.0 FT, 34.0 FT 100 FT FROM BACKSIDE.
 E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 28.0 FT 100 FT FROM BACKSIDE.
 F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 18.0 FT, 17.0 FT 100 FT FROM BACKSIDE.
 G. EXCEPT FOR A 41 FT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'00.06"N 81°05'27.07"W
 H. EXCEPT FOR A 39 FT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'18.29"N 81°05'58.99"W
 I. EXCEPT FOR A 38 FT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°07'27.45"N 81°08'02.29"W
 J. EXCEPT FOR A 31 FT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°09'15.04"N 81°09'11.46"W

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

SECTION I

Chart 11514 (Side A)

NM 33/16

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2015								
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 (MILES)	DEPTH MLLW (FEET)
OGLETHORPE RANGE	39.5	44.5	45.0	40.0	9-15	500	1.33	42
WRECKS CHANNEL (A)	38.5	42.5	45.5	41.5	9-15	500	1.7	42
CITY FRONT CHANNEL	41.5	44.5	44.0F	38.5	9-15	500	1.7	42
MARSH ISLAND CHANNEL (B)	39.0G	42.5	41.5	40.0	9-15	500	1.9	42
KINGS ISLAND CHANNEL (C)	39.0	40.5	39.5	39.5H	9-15	500	2.46	42
WHITEHALL CHANNEL (D)	23.0	23.5	24.0	25.0	9-15	400	0.66	42-36
PORT WENTWORTH CHANNEL (E)	30.0I	21.0	21.0	32.0	12-94; 9-15	200	1.33	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 35.0 FT, 25.0 FT 100 FT FROM BACKSIDE.
 B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 29.0 FT, 20.0 FT 100 FT FROM BACKSIDE.
 C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 34.0 FT, 34.0 FT 100 FT FROM BACKSIDE.
 D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 26.0 FT 100 FT FROM BACKSIDE.
 E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 18.0 FT, 17.0 FT 100 FT FROM BACKSIDE.
 F. EXCEPT FOR A 41 FT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'00.06"N 81°05'27.07"W
 G. EXCEPT FOR A 39 FT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°05'18.29"N 81°05'58.99"W
 H. EXCEPT FOR A 38 FT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°07'27.45"N 81°08'02.29"W
 I. EXCEPT FOR A 31 FT OBSTRUCTION LOCATED BY A NOS SURVEY AT 32°09'15.04"N 81°09'11.46"W

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 11537 (Left Panel)

NM 33/16

WILMINGTON HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2016							
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 (STAT. MILES)	DEPTH MLLW (FEET)
32 FT PROJECT							
HWY 74-76 BRIDGE TO BATTLESHIP							
REACH 5	30.6	33.9	25.7	3-16	400	0.3	32
REACH 4	33.2	36.2	25.7	3-16	400	0.1	32
REACH 3	32.5	39.2	22.8	3-16	400	0.1	32
REACH 2	24.2	38.5	29.5	3-16	400	0.1	32
REACH 1	20.3	34.5	29.7	3-16	400	0.4	32
BATTLESHIP TO HWY 133 BRIDGE INCLUDING TURNING BASIN							
REACH 3	18.7	34.7	32.7	3-16	VARIABLES	0.2	32
REACH 2	13.8	29.2	16.5	3-16	VARIABLES	0.5	32
REACH 1	35.5	30.0	31.1	3-16	VARIABLES	0.1	32
HWY 133 BRIDGE TO HILTON BRIDGE							
REACH 4	29.7	32.7	33.2	3-16	VARIABLES	0.1	32
REACH 3	28.5	30.7	32.9	3-16	300	0.1	32
REACH 2	30.5	32.0	29.2	3-16	300	0.2	32
REACH 1	32.5	33.9	28.6	3-16	VARIABLES	0.1	32
25 FT PROJECT							
REACH 4 (A)	31.6	31.2	31.2	2-16	VARIABLES	0.2	25
REACH 3	19.1	17.0	17.6	2-16	VARIABLES	0.3	25
REACH 2 (A)	19.2	17.7	15.3	2-16	VARIABLES	0.5	25
TURNING BASIN	18.2	7.5	7.1	2-16	VARIABLES	0.2	25
REACH 1	6.8	6.6	6.0	2-16	200	0.1	25

A. SPORADIC SHOAL OBSTRUCTIONS EXIST WITHIN THE CHANNEL BUT ARE NOT CHARTED. CONSULT CORPS OF ENGINEERS FOR LOCATION OF OBSTRUCTIONS.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11537 (Right Panel)

NM 33/16

CAPE FEAR RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2016								
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)
BALDHEAD SHOAL								
REACH 3 - LOWER	37.6	45.8	46.1	41.3	9,10-14	500	3.4	44
REACH 3 - UPPER	38.5	41.0	38.7	39.9	1-15	500-900	2.8	44
REACH 2	43.7	45.5	39.5	10.6	11-15	900	0.8	44
REACH 1	40.2	43.0	42.0	26.1	2-16	700	0.9	44
SMITH ISLAND	20.6	41.6	43.2	43.5	11-15	650	0.9	44
BALDHEAD-CASWELL	34.5	43.2	45.5	46.0	10-15	500	0.4	44
SOUTHPORT	42.7	45.9	44.4	40.5	10-15	500	1.0	44
BATTERY ISLAND	42.0	45.2	45.3	35.2	10-15	500	0.5	44
LOWER SWASH	34.3	41.9	42.4	39.8	11-15	400	1.8	42
SNOWS MARSH	32.8	39.9	40.2	38.0	11-15	400	2.9	42
HORSESHOE SHOAL	31.8	37.9	37.3	36.3	11-15	400	1.2	42
REAVES POINT	34.7	40.5	41.1	38.5	11-15	400	1.2	42
LOWER MIDNIGHT	33.0	40.8	41.8	33.7	11-15	600	1.6	42
UPPER MIDNIGHT	34.0	40.4	40.6	28.4	11-15	600	2.6	42
LOWER LILLIPUT	36.7	41.7	42.2	34.0	11-15	600	2.1	42
UPPER LILLIPUT	32.3	42.5	41.8	38.8	11-15	400	1.9	42
KEG ISLAND	32.4	42.2	41.7	31.8	1-16	400	1.5	42
LOWER BIG ISLAND	32.0	40.5	42.7	30.8	12-15	400	0.8	42
UPPER BIG ISLAND	39.4	42.7	40.0	28.6	12-15	510-700	0.5	42
LOWER BRUNSWICK	35.0	43.2	41.8	29.2	12-15	400	1.6	42
UPPER BRUNSWICK	33.4	43.4	39.7	27.9	12-15	400	0.8	42
FOURTH EAST JETTY	37.7	43.3	43.7	39.3	12-15	500	1.7	42
BETWEEN CHANNEL	40.9	42.7	44.2	42.4	1-16	550	0.5	42
LOWER ANCHORAGE BASIN	39.4	40.9	41.2	39.8	1-16	550-1200	1.4	42
UPPER ANCHORAGE BASIN	39.0	38.1	38.0	37.8	1-16	450-940	0.2	38

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

Chart 18581

NM 33/16

YAUQUINA BAY AND RIVER CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2016							
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)
YAUQUINA BAY HARBOR							
ENTRANCE	26	26	22	3-16	400-300	1.5	40-30
ENTRANCE TO TURNING BASIN	23	28	27	3-16	300	1.5	30
TURNING BASIN	15	21	23	3-16	1200	0.3	30
SOUTH BEACH MARINA HARBOR	5	7	7	4-15	100	0.4	10
THE MUD FLATS	11	11	12	3-16	200	2.0	18
YAUQUINA RIVER							
WEISER POINT TO JOHNSON SLOUGH	9	9	9	3-16	150	3.1	10
FLEISHER SLOUGH TO NUTE SLOUGH	8	8	8	3-16	150	2.7	10
AMUNDSON SLOUGH TO TOLEDO	4	7	0	3-16	150	3.2	10
TOLEDO TO MI. 14.5	6	7	7	3-16	150	1.0	10
DEPOT SLOUGH	2	3	1	2-16	200	0.4	10

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

Chart 18587

NM 33/16

COOS BAY, ISTHMUS SLOUGH AND CHARLESTON CHANNEL DEPTHS TABULATED FROM SURVEYS AND REPORTS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2016 AND SURVEYS TO OCT 2015							
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 (FEET)
ENTRANCE RANGE	38	39	39	2-16	---	1.9	37
ENTRANCE RANGE AND TURN	37	44	34	10-15	300	0.8	37
COOS BAY INSIDE RANGE	36	36	37	10-15	300	0.8	37
COOS BAY RANGE	35	37	36	10-15	300	0.9	37
EMPIRE RANGE	36	37	30	2-16	300-800	2.3	37
LOWER JARVIS RANGE	34	37	21	2-16	300-800	1.1	37
JARVIS TURN RANGE	39	41	34	2-16	300	0.6	37
UPPER JARVIS RANGE A	37	38	35	2-16	300	1.0	37
UPPER JARVIS RANGE B	34	37	37	3-16	400	1.4	37
NORTH BEND LOWER RANGE	35	39	35	3-16	400	0.4	37
RANGE AND TURN	34	38	35	3-16	500	0.4	37
NORTH BEND RANGE	35	38	35	3-16	400	1.1	37
NORTH BEND UPPER RANGES	36	37	37	3-16	400	0.8	37
LOWER TURNING BASIN	19	29	24	3-16	800	0.5	37
FERNDALE LOWER RANGE	32	37	34	3-16	400	0.4	37
FERNDALE TURN	20	33	36	3-16	400	0.1	37
FERNDALE UPPER RANGE	8	27	23	3-16	400	0.9	37
MARSHFIELD RANGE	29	27	18	3-16	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	19	18	25	3-16	400-600	0.9	37
ISTHMUS SLOUGH	19	20	19	4-85	150	2.0	22
CHARLESTON CHANNEL							
ENTRANCE	17	18	13	2-16	150	0.3	17
ENTRANCE TO BASIN	16	16	14	2-16	150	0.4	17
BASIN	16	15	8 A	2-16	250-500	0.2	16
BASIN TO BRIDGE	16	17	16	2-16	150	0.3	16

A. Shoaling to 3 feet at 43 20 49.073N 124 19 15.977W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 94164

NM 33/16

NAVIGATION RESTRICTIONS
(26°11'N 120°00'E & 25°59'N 119°58'E)
Navigation within the vicinity of Mazu Liedao
and Baiquan Liedao is subject to numerous
restrictions and prohibitions which are imposed
by the Taiwanese Authorities. Vessels must keep
to the main shipping channels. If it is necessary to
enter the area, prior permission must be obtained
from the Taiwanese Coastguard Authority.