Chart 11378 (Side A) NM 52/10

PENSACOLA HARBOR ENTRANCE CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2010 AND SURVEY OF JUL 2010

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)
CAUCUS CHANNEL	B23.2	27.8	32.1	C29.4	7-10	A500	3.1	A35
BARRANCAS CHANNEL	43.7	45.9	47.3	45.7	7-10	A500	1.7	A35
PICKENS CHANNEL	43.6	45.5	45.5	D45.9	1-09,10	A500	2.8	A35

A. PROJECT DIMENSIONS OF 44 FEET FOR A WIDTH OF 800 FEET PROVIDED BY THE U.S. NAVY. AUTHORIZED USACE PROJECT IS 35 FEET FOR A WIDTH OF 500 FEET.
B. 22.2 FEET ALONG THE CHANNEL EDGE.
C. 27.6 FEET ALONG THE CHANNEL EDGE.
D. EXCEPT FOR A 43 FT OBSTRUCTION REPORTED BY AN NOS SURVEY AT 30°19'57.7" N, 087°16'39.3" W.

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

Chart 11378 (Side A) NM 52/10

PENSACOLA HARBOR AND BAYOU CHICO CHANNELS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2010 AND SURVEY OF JUL 2010

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)
PENSACOLA HARBOR							
BAY CHANNEL	32.1	32.5	31.7	7-10	300	2.7	33
WEST CHANNEL	26.2	26.4	27.0	7-10	300	1.3	33
EAST CHANNEL	30.4	29.0	30.2	7-10	300	0.8	33
HARBOR CHANNEL	23.3	26.8	28.7	7-10	500	0.9	33
BAYOU CHICO CHANNELS							
ENTRANCE CHANNEL	15.0	15.0	14.5	1-10	100	0.9	15
INNER CHANNEL	14.0	14.0	13.3	1-10	75	1.1	14
TURNING BASIN	6.7	10.0	8.5	1-10	500	-	14

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

Chart 11382 NM 52/10

PENSACOLA HARBOR ENTRANCE CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2010 AND SURVEY OF JUL 2010

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)
CAUCUS CHANNEL	B23.2	27.8	32.1	C29.4	7-10	A500	3.1	A35

A. PROJECT DIMENSIONS OF 44 FEET FOR A WIDTH OF 800 FEET PROVIDED BY THE U.S. NAVY. AUTHORIZED USACE PROJECT IS 35 FEET FOR A WIDTH OF 500 FEET.
B. 22.2 FEET ALONG THE CHANNEL EDGE.
C. 27.6 FEET ALONG THE CHANNEL EDGE.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11383 NM 52/10

PENSACOLA HARBOR ENTRANCE CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2010 AND SURVEY OF JUL 2010

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)
CAUCUS CHANNEL	B23.2	27.8	32.1	C29.4	7-10	A500	3.1	A35
BARRANCAS CHANNEL	43.7	45.9	47.3	45.7	7-10	A500	1.7	A35
PICKENS CHANNEL	43.6	45.5	45.5	D45.9	1-09,10	A500	2.8	A35

A. PROJECT DIMENSIONS OF 44 FEET FOR A WIDTH OF 800 FEET PROVIDED BY THE U.S. NAVY. AUTHORIZED USACE PROJECT IS 35 FEET FOR A WIDTH OF 500 FEET.
B. 22.2 FEET ALONG THE CHANNEL EDGE.
C. 27.6 FEET ALONG THE CHANNEL EDGE.
D. EXCEPT FOR A 43 FT OBSTRUCTION REPORTED BY AN NOS SURVEY AT 30°19'57.7" N, 087°16'39.3" W.

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

Chart 11383 NM 52/10

PENSACOLA HARBOR AND BAYOU CHICO CHANNELS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2010 AND SURVEY OF JUL 2010

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)
PENSACOLA HARBOR							
BAY CHANNEL	32.1	32.5	31.7	7-10	300	2.7	33
WEST CHANNEL	26.2	26.4	27.0	7-10	300	1.3	33
EAST CHANNEL	30.4	29.0	30.2	7-10	300	0.8	33
HARBOR CHANNEL	23.3	26.8	28.7	7-10	500	0.9	33
BAYOU CHICO CHANNELS							
ENTRANCE CHANNEL	15.0	15.0	14.5	1-10	100	0.8	15
INNER CHANNEL	14.0	14.0	13.3	1-10	75	1.1	14
TURNING BASIN	6.7	10.0	8.5	1-10	500	-	14

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

Chart 11384 NM 52/10

PENSACOLA HARBOR ENTRANCE CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2010 AND SURVEY OF JUL 2010

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)
CAUCUS CHANNEL	B23.2	27.8	32.1	C29.4	7-10	A500	3.1	A35
BARRANCAS CHANNEL	43.7	45.9	47.3	45.7	7-10	A500	1.7	A35
PICKENS CHANNEL	43.6	45.5	45.5	D45.9	1-09,10	A500	2.8	A35

A. PROJECT DIMENSIONS OF 44 FEET FOR A WIDTH OF 800 FEET PROVIDED BY THE U.S. NAVY. AUTHORIZED USACE PROJECT IS 35 FEET FOR A WIDTH OF 500 FEET.
B. 22.2 FEET ALONG THE CHANNEL EDGE.
C. 27.6 FEET ALONG THE CHANNEL EDGE.
D. EXCEPT FOR A 43 FT OBSTRUCTION REPORTED BY AN NOS SURVEY AT 30°19'57.7" N, 087°16'39.3" W.

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

Chart 12252 NM 52/10

JAMES RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2010

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

NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
HOPEWELL TO RICHMOND			
DEEPWATER TERMINAL	A 21.4	200	5-06;6-06
37°27'05.0"N, 77°25'07.4"W			
CHANNEL ADJOINING TURNING BASIN	19.5	200	2-10
TURNING BASIN	19.3	385	2-10
THENCE TO RICHMOND			
HARBOR TURNING BASIN	15.4	200	6-03;10-04
TURNING BASIN	4.4	140-175	2-10
THENCE TO THE LOCKS	B 8.1	200	2-10

A. EXCEPT FOR SHOALING TO 20.0 FEET WITHIN 40 FEET OF THE LEFT CHANNEL LIMIT AT 37°25'26.0"N, 77°24'06.2"W

B. DEPTH REPORTED ONLY GOES TO 37°31'20.2"N 77°25'06.4"W. DEPTHS DIMINISH QUICKLY FROM 37°31'20.2"N 77°25'06.4"W TO THE LOCKS.

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

Chart 12273 NM 52/10

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2010

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)
CRAIGHILL ENTRANCE	47.0	51.0	51.0	49.0	3-09	700	3.79	50
CRAIGHILL CHANNEL	49.0	51.0	51.0	47.0	4-09	700	3.24	50
CRAIGHILL ANGLE	44.0	46.0	48.0	45.0	7-10	700-1870	1.88	50
CRAIGHILL CHANNEL UPPER RANGE	50.0	50.0	50.0	50.0	8-10	700	2.00	50
CUTOFF ANGLE	50.0	51.0	49.0	49.0	3-09	700-1740	1.14	50
BREWERTON CHANNEL	51.0	51.0	51.0	50.0	4-09	700	3.50	50
EASTERN EXTENSION	35.0	35.0	35.0	35.0	1-10	600	6.33	35
SWAN POINT CHANNEL	35.0	35.0	35.0	35.0	6-09	600	3.13	35
TOLCHESTER CHANNEL	31.0	35.0	36.0	35.0	6-09	450-600	10.87 **	35

* ALL DEPTHS REPORTED TO NEAREST FOOT.

** THE LAST 1.88 NM OVERLAPS WITH THE CHESAPEAKE AND DELAWARE CANAL CHANNEL.

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

Chart 12278 NM 52/10

BALTIMORE HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2010

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)
CRAIGHILL ENTRANCE	47.0	51.0	51.0	49.0	3-09	700	3.79	50
CRAIGHILL CHANNEL	49.0	51.0	51.0	47.0	4-09	700	3.24	50
CRAIGHILL ANGLE	44.0	46.0	48.0	45.0	7-10	700-1870	1.88	50
CRAIGHILL CHANNEL UPPER RANGE	50.0	50.0	50.0	50.0	8-10	700	2.00	50
CUTOFF ANGLE	50.0	51.0	49.0	49.0	3-09	700-1740	1.14	50
BREWERTON CHANNEL	51.0	51.0	51.0	50.0	4-09	700	3.50	50
BREWERTON ANGLE	49.0	50.0	50.0	49.0	1-09	700-1460	1.10	50
FORT MCHENRY CHANNEL	50.0	50.0	50.0	50.0	3-10	700	4.22	50
CURTIS BAY CHANNEL	49.0	49.0	50.0	50.0	11-09	400-1275	2.25	50
BREWERTON CHANNEL EASTERN EXTENSION	35.0	35.0	35.0	35.0	1-10	600	6.33	35
SWAN POINT CHANNEL	35.0	35.0	35.0	35.0	6-09	600	3.13	35
TOLCHESTER CHANNEL	31.0	35.0	36.0	35.0	6-09	450-600	10.87 **	35

* ALL DEPTHS REPORTED TO NEAREST FOOT.

** THE LAST 1.88 NM OVERLAPS WITH THE CHESAPEAKE AND DELAWARE CANAL CHANNEL.

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

Chart 12339 NM 52/10

SOUTH BROTHER ISLAND CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2010

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)
Reach M	28.6	27.5	27.7	26.9	7,8 -10	400-1600	0.78	35
Reach N	33.8	33.2	34.2	33.5	7,8 - 10	1000	0.26	35

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

Chart 18583 NM 52/10

SIUSLAW RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2010 AND SURVEYS TO JUL 2010

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 LIGHT 11	15	14	17	7-10	300	0.8	18
LIGHT 11 TO LIGHT 18	14	15	15	7-10	200	0.6	18
CANNERY HILL REACH	15	13	12	4-10	200	1.3	16
SPRUCE POINT BEND	9	11	12	5-10	200	1.7	16
FLORENCE							
MILE 4.0 TO HIGHWAY BRIDGE	9	10	12	5-10	200	0.6	16
TURNING BASIN	10	8	7	5-10	400	1.1	16
TURNING BASIN TO ROSE HILL	8	9	9	5-10	150	0.9	12
NORTH FORK SHOAL	9	9	12	12-09	150	1.5	12
CUSHMAN	12	11	10	12-09	150	0.9	12

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

Chart 18584 NM 52/10

UMPQUA RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2010 AND SURVEYS TO JUL 2010

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	20	23	25	5-10	—	1.2	26
UMPQUA RIVER TURN	16	23	23	5-10	200	1.3	22
SALMON HARBOR REACH	21	21	21	6-10	200	2.1	22
BARRETTS RANGE	20	21	19	11-09, 7-10	200	2.0	22
MILE SIX BAR	21	20	20	7-10	200	2.2	22
CANNERY SANDS							
JCT TO LEEDS ISLAND LIGHT	15	15	13	11-09, 7-10	200	1.8	22
GARDINER CHANNEL	13	12	10	11-09	200	1.4	22
TURNING BASIN	7	3	3	11-09	---	0.2	22
REEDSPORT REACH							
CHANNEL (9.65-10.8)	16	17	17	7-10	200	1.15	22
TURNING BASIN	26	24	22	7-10	600	0.2	22
CHANNEL (11.0-11.8)	12	12	7	7-10	200	0.8	---
WINCHESTER BAY							
WEST CHANNEL	10	11	12	3-10	100	0.9	16
EAST CHANNEL	10	6	5	3-10	100	0.9	16-12

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

Chart 18587 NM 52/10

COOS BAY, ISTHMUS SLOUGH AND CHARLESTON CHANNEL DEPTHS
TABULATED FROM SURVEYS AND REPORTS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2010 AND SURVEYS TO MAY 2010

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	37	39	38	6-10	—	1.9	37
ENTRANCE RANGE AND TURN	37	41	33	8-10	300	0.8	37
COOS BAY INSIDE RANGE	38	37	36	8-10	300	0.8	37
COOS BAY RANGE	36	36	34	8-10	300	0.9	37
EMPIRE RANGE	30	37	29	8-10	300-800	2.3	37
LOWER JARVIS RANGE	30	38	21	8-10	300-800	1.1	37
JARVIS TURN RANGE	37	41	35	8-10	300	0.6	37
UPPER JARVIS RANGE A	37	38	37	8-10	300	1.0	37
UPPER JARVIS RANGE B	33	37	33	8-10	400	1.4	37
NORTH BEND LOWER RANGE	37	39	35	8-10	400	0.4	37
RANGE AND TURN	34	39	37	8-10	500	0.4	37
NORTH BEND RANGE	27	36	35	4-10	400	1.1	37
NORTH BEND UPPER RANGES	27	37	36	4-10	400	0.8	37
LOWER TURNING BASIN	32	36	32	4-10	800	0.5	37
FERNDALE LOWER RANGE	36	38	35	4-10	400	0.4	37
FERNDALE TURN	34	36	37	4-10	400	0.1	37
FERNDALE UPPER RANGE	31	36	35	4-10	400	0.9	37
MARSHFIELD RANGE	33	35	32	4-10	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	32	24	18	4-10	400-600	0.9	37
ISTHMUS SLOUGH	19	20	19	4-85	150	2.0	22
CHARLESTON CHANNEL							
ENTRANCE	14	17	13	8-10	150	0.3	17
ENTRANCE TO BASIN	13	15	9	8-10	150	0.4	17
BASIN	16	16	0	8-10	250-500	0.2	16
BASIN TO BRIDGE	11	11	13	8-10	150	0.3	16

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