Chart 11373 NM 22/09

HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2008 AND SURVEYS TO DEC 2008

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)
PASCAGOULA BAR CHANNEL	38.3	43.0	40.5	6-08	450	3.3	44.0
HORN ISLAND PASS CHANNEL	40.8	43.1	37.1	5-08	600	1.2	44.0
LOWER PASCAGOULA CHANNEL	35.7	42.0	39.6	12-08	350	3.7	42.0
UPPER PASCAGOULA CHANNEL	33.4	32.0	28.8	5,11-08	350	5.6	38.0
TURNING BASIN	38.0	38.3A	36.1	11-08	900	0.3	38.0
BAYOU CASOTTE CHANNEL	33.8	40.1	36.3	6-08	350	3.7	42.0
TURNING BASIN	36.9	41.3	38.9	3-08	850	0.3	42.0

A. EXCEPT FOR AN OBSTRUCTION AT 30°22'00.0"N 88°33'54.0"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11374 (Side B) NM 22/09

HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2008 AND SURVEYS TO DEC 2008

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)
PASCAGOULA BAR CHANNEL	38.3	43.0	40.5	6-08	450	3.3	44.0
HORN ISLAND PASS CHANNEL	40.8	43.1	37.1	5-08	600	1.2	44.0
LOWER PASCAGOULA CHANNEL	35.7	42.0	39.6	12-08	350	3.7	42.0
UPPER PASCAGOULA CHANNEL	33.4	32.0	28.8	5,11-08	350	5.6	38.0
TURNING BASIN	38.0	38.3A	36.1	11-08	900	0.3	38.0
BAYOU CASOTTE CHANNEL	33.8	40.1	36.3	6-08	350	3.7	42.0
TURNING BASIN	36.9	41.3	38.9	3-08	850	0.3	42.0

A. EXCEPT FOR AN OBSTRUCTION AT 30°22'00.0"N 88°33'54.0"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11375 NM 22/09

HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2008 AND SURVEYS TO DEC 2008

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)
PASCAGOULA BAR CHANNEL	38.3	43.0	40.5	6-08	450	3.3	44.0
HORN ISLAND PASS CHANNEL	40.8	43.1	37.1	5-08	600	1.2	44.0
LOWER PASCAGOULA CHANNEL	35.7	42.0	39.6	12-08	350	3.7	42.0
UPPER PASCAGOULA CHANNEL	33.4	32.0	28.8	5,11-08	350	5.6	38.0
TURNING BASIN	38.0	38.3A	36.1	11-08	900	0.3	38.0
BAYOU CASOTTE CHANNEL	33.8	40.1	36.3	6-08	350	3.7	42.0
TURNING BASIN	36.9	41.3	38.9	3-08	850	0.3	42.0

A. EXCEPT FOR AN OBSTRUCTION AT 30°22'00.0"N 88°33'54.0"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18521 NM 22/09

COLUMBIA RIVER CHANNEL DEPTHS
ENTRANCE TO MILLER SANDS RANGE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 10, 2009

* SEE FOOTNOTES						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)
ENTRANCE RANGE	51	51	46	46	1-09	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	50	48	48	46	1-09	2640	2.2	48
LOWER DESDEMONA SHOAL	45	47	49	44	12-08	600	3.4	40
UPPER DESDEMONA SHOAL	41	44	46	44	12-08	600	3.6	40
TANSY POINT TURN AND RANGE	41	43	44	34	12-08	600	4.8	40
ASTORIA RANGE	41	43	43	39	12-08	600	2.7	40
TONGUE POINT CHANNEL	43	44	44	44	12-08	600	2.2	40
HARRINGTON POINT RANGE	42	43	42	39	12-08	600	2.6	40
MILLER SANDS RANGE	43	47	43	40	12-08	600	2.2	40

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
* 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 22/09

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

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 10, 2009

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD) * 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 (STAT. MILES)	DEPTH CRD (FEET)
MILLER SANDS RANGE	43	47	43	40	12-08	600	2.2	40
PILLAR ROCK LOWER RANGE	40	42	41	40	12-08	600	3.0	40
PILLAR ROCK UPPER RANGE	37	43	43	42	12-08	600	1.9	40
WELCH ISLAND REACH	46	45	43	39	12-08	600	3.2	40
SKAMOKAWA CHANNEL	44	46	46	46	12-08	600	3.3	40
STEAMBOAT REACH	53	49	46	44	12-08; 1-09	600	1.4	40
PUGET ISLAND RANGE AND TURN	39	41	40	37	1-09	600	3.5	40
WAUNA RANGE	41	41	39	37	1-09	600	2.0	40
DRISCOLL RANGE	40	43	42	43	1-09	600	1.7	40
WESTPORT TURN AND RANGE	40	43	44	44	1-09	600	2.0	40
WESTPORT CHANNEL	38	39	40	38	12-08; 1-09	600	2.4	40
EUREKA LOWER CHANNEL	47	47	46	48	12-08	600	2.1	40
EUREKA UPPER CHANNEL	44	43	40	41	12-08	600	0.8	40
OAK POINT CHANNEL	43	43	41	40	12-08	600	3.0	40
GULL I TURN AND CHANNEL	46	46	42	40	12-08	600	2.2	40

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES TO THE ABOVE INFORMATION

Chart 18524 (Left Panel) NM 22/09

COLUMBIA RIVER CHANNEL DEPTHS
GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 10, 2009

CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * 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 (STAT. MILES)	DEPTH CRD (FEET)
GULL I TURN AND CHANNEL	46	46	42	40	12-08	600	2.2	40
STELLA RANGE	37	40	39	38	12-08	600	3.0	40
FISHER I CHANNEL	41	44	44	41	12-08	600	0.8	40
WALKER I CHANNEL	41	44	42	41	12-08	600	1.4	40
BARLOW PT. CHANNEL	44	45	44	40	12-08	600	1.6	40
SLAUGHTERS CHANNEL	41	41	40	40	1-09	600	2.2	40
SLAUGHTERS TURN AND CHANNEL OPPOSITE THE TURNING BASIN	39	39	41	42	1-09	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	38	44	44	41	1-09	600	1.7	40
COTTONWOOD ISLAND TURN	45	46	45	45	12-08; 1-09	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE	44	46	46	47	12-08	600	1.6	40
KALAMA LOWER RANGE	44	46	46	35	12-08	600	1.8	40
KALAMA UPPER RANGE	43	43	44	43	12-08	600	2.2	40
BYBEE LEDGE CHANNEL	43	44	43	43	12-08	600	2.1	40
MARTIN ISLAND CHANNEL	45	46	46	43	12-08	600	2.0	40
MARTIN ISLAND RANGE	41	45	46	42	12-08	600	1.4	40
COLUMBIA CITY CHANNEL	43	44	44	41	12-08	600	1.2	40
ST. HELENS RANGE	43	43	43	39	12-08	600	2.0	40
ST. HELENS TURN	45	45	42	39	12-08	600	1.7	40

* CONTROLLING DEPTHS ROUNDED TO NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18584 NM 22/09

UMPQUA RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2009 AND SURVEYS TO FEB 2009

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 TO LT. 21	20	20	20	3,11,12-08;1-09	200	7.0	26-22
LT. 21 TO REEDSPORT	17	16	15	1,2-09	200	2.7	22
REEDSPORT TURNING BASIN	26	24	25	2-09	600	0.2	22
LT. 21 TO GARDINER	12	13	11	10-01;2-06;3-08	200	1.15	22
GARDINER TURNING BASIN	5	2	2	10-01	500	0.2	22

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

Chart 76015 NM 22/09

PRECAUTIONARY AREA

All ships should navigate with particular caution in order to reduce the risk of a maritime casuality and resulting marine pollution in the precautionary area.

Chart 76060 NM 22/09

PRECAUTIONARY AREA

All ships should navigate with particular caution in order to reduce the risk of a maritime casuality and resulting marine pollution in the precautionary area.