

Chart 11324

NM 28/11

GALVESTON BAY AND HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2011								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						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)
GALVESTON HARBOR:								
ENTRANCE CHANNEL	44.0	48.0	48.0	43.0	8-10	800-1000	8.6	47
OUTER BAR CHANNEL	44.0	46.0	48.0	49.0	8-10	800	1.7	47
INNER BAR CHANNEL	43.0	46.0	46.0	37.0	8-10	800	3.3	47
ANCHORAGE BASIN A	22.0	17.0	18.0	22.3	4-10	3100	1.9	34
BOLIVAR ROADS CHANNEL	48.0	50.0	47.0	46.0	8-10	800	0.85	47
HOUSTON SHIP CHANNEL:								
BOLIVAR ROADS TO RED FISH LIGHT 1	44.0	46.0	46.0	41.0	5-10	530	12.38	45
RED FISH LIGHT 1 TO BEACON 76	30.0	44.0	43.0	35.0	4-11	400	8.33	45
BCN 76 TO LWR END MORGANS PT CUT	30.0	46.0	45.0	31.0	4-11	530	5.49	45
GALVESTON CHANNEL	38.8	42.5	39.8	24.3	3, 4-11	1125-1075	4.44	40
BOLIVAR ROADS TO TURNING BASIN	44.9	47.4	47.9	42.8	4-11	400	6.8	40
TEXAS CITY TURNING BASIN	41.7	45.7	47.2	44.1	4-11	1200	0.81	40
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11325

NM 28/11

HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2011								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT).						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)
HOUSTON SHIP CHANNEL:								
EXXON OIL CO. SLIP								
TO CARPENTERS BAYOU (A)	37.0	44.0	43.0	37.0	3-10	400-525	5.60	45
CARPENTER BAYOU TO GREENS BAYOU (B)	38.0	41.0	40.0	39.0	10-10	400-300	5.40	40-45
ENTRANCE TO GREENS BAYOU								
TO FIRST BEND ABOVE MOUTH	38.0	41.0	40.0	39.0	10-10	500-175	0.37	36
GREENS BAYOU TO HUNTING								
BAYOU (UPPER BEND)	33.0	38.0	40.0	35.0	10-10	300	2.20	40
TURNING POINT AT HUNTING BAYOU	33.0	36.0	40.0	35.0	10-10	600	0.26	40
HUNTING BAYOU TO SOUTHERN								
PACIFIC SLIP	33.0	36.0	39.0	33.0	10-10	300	3.50	40
TURNING POINT AT CLINTON ISLAND	38.0	41.0	35.0	33.0	10-10	700	0.30	40
SOUTHERN PACIFIC SLIP TO								
TURNING BASIN WHARF 15	33.0	37.0	35.0	32.0	10-10	300	2.98	36
TURNING POINT AT BRADY ISLAND	40.0	41.6	41.1	39.3	8-10	422	0.21	36
HOUSTON TURNING BASIN	33.0	33.0	31.0	29.0	4-11	250-1000	0.58	36
UPPER TURNING BASIN	31.0	31.0	34.0	32.0	4-11	150	0.26	36
A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO.								
B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP.								
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11327

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HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2011								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						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)
BOLIVAR ROADS TO RED FISH LIGHT 1	44.0	46.0	46.0	41.0	5-10	530	12.38	45
RED FISH LIGHT 1 TO BEACON 76 (TURN)	30.0	44.0	43.0	35.0	4-11	400	8.33	45
BCN 76 TO LWR END MORGANS PT CUT	30.0	46.0	45.0	31.0	4-11	530	5.49	45
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11328

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HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2011								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						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)
BOLIVAR ROADS TO RED FISH LIGHT 1	44.0	46.0	46.0	41.0	5-10	530	12.38	45
RED FISH LIGHT 1 TO BEACON 76 (TURN)	30.0	44.0	43.0	35.0	4-11	400	8.33	45
BCN 76 TO LWR END MORGANS PT CUT	30.0	46.0	45.0	31.0	4-11	530	5.49	45
LOWER END MORGANS POINT CUT TO EXXON OIL CO. SLIP	25.4	33.2	40.3	26.5	7-10	400-525	4.36	45
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 28/11

Chart 11376

NM 28/11

MOBILE BAY AND RIVER CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2011 AND SURVEYS TO MAR 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)
MOBILE BAR CHANNEL	42.7	47.0	39.6	01-11	600	8.1	47
MOBILE BAY:							
LOWER BAY (TO LIGHT 50)	43.5A	45.0	42.0	01-11	400	13.3	45
UPPER BAY	40.5	43.5	40.2	01-11	400-500	15.4	45
UPPER BAY TURNING BASIN	45.0	45.0	45.0	01-11	VARIES	0.4	45
MOBILE RIVER:							
PINTO ISLAND REACH	33.0	39.0	31.4	03-11	700-775	0.8	40-45
MOBILE CHANNEL	33.0B	38.4	38.4	03-11	600	1.8	40
MOBILE TURNING BASIN	37.2C	38.5D	37.7E	03-11	740-1000	0.6	40
BLAKELEY ISLAND REACH	37.8F	27.7	27.2	03-11	500-1000	1.4	40
ST. LOUIS POINT REACH	18.2	24.8	21.2G	05-10	500	0.2	25
CHICKASAW CREEK CHANNEL	17.0H	22.3	20.3	02-11	250	3.0	25
ARLINGTON CHANNEL	13.9I	14.2	13.7	02-11	150	1.7	27
GARROWS BEND CHANNEL	5.0J	4.3K	4.9	02-11	150	1.3	27
OCEAN TERMINAL TURNING BASIN	14.8	15.3	12.3	11-08	600	0.1	27
THEODORE SHIP CHANNEL:							
BAY CUT	38.1	38.7	38.2	12-10	400	5.3	40
ANCHORAGE AREA	40.0L	40.0	40.0	12-10	300	0.2	40
LAND CUT	38.4	40.0	40.0	12-10	300	1.7	40
TURNING BASIN	40.0M	39.8N	38.3O	12-10	1400	0.3	40
BARGE CHANNEL	9.2	11.2	11.3	10-10	100	1.3	12

A. EXCEPT FOR SHOALING TO 41.8 FEET IN BEND WIDENING AREA.
 B. EXCEPT FOR A DANGEROUS WRECK AT 30°40'54.00"N 88°02'14.02"W.
 C. EXCEPT FOR SHOALING TO 35.9 FEET IN BEND WIDENING AREA.
 D. EXCEPT FOR A 20 FOOT OBSTRUCTION AT 30°42'37.93"N 88°02'19.00"W.
 E. EXCEPT FOR SHOALING TO 35.7 FEET IN BEND WIDENING AREA.
 F. EXCEPT FOR A DANGEROUS WRECK AT 30°43'26.98"N 88°02'33.01"W.
 G. EXCEPT FOR SHOALING TO 20.1 FEET IN BEND WIDENING AREA.
 H. EXCEPT FOR SHOALING TO 16.3 FEET IN BEND WIDENING AREA.
 I. EXCEPT FOR SHOALING TO 13.4 FEET IN BEND WIDENING AREA.
 J. EXCEPT FOR SHOALING TO 4.5 FEET AT THE NORTHEAST END OF PROJECT.
 K. EXCEPT FOR SHOALING TO 4.1 FEET AT THE NORTHEAST END OF PROJECT.
 L. EXCEPT FOR SHOALING TO 39.2 FEET IN BEND WIDENING AREA.
 M. EXCEPT FOR SHOALING TO 37.1 FEET AT WESTERN END.
 N. EXCEPT FOR SHOALING TO 36.1 FEET AT WESTERN END.
 O. EXCEPT FOR SHOALING TO 33.9 FEET AT WESTERN END.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18581

NM 28/11

YAUQUINA BAY AND RIVER CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 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)
YAUQUINA BAY HARBOR							
ENTRANCE	23	27	26	2-11	400-300	1.5	40-30
ENTRANCE TO TURNING BASIN	24	23	25	3-11	300	1.5	30
TURNING BASIN	13	21	26	3-11	1200	0.3	30
SOUTH BEACH MARINA HARBOR	9	10	6	7-08	100	0.4	10
THE MUD FLATS	13	12	13	8-01	200	2.0	18
YAUQUINA RIVER							
WEISER POINT TO JOHNSON SLOUGH	10	9	9	7-00	150	3.1	10
FLEISHER SLOUGH TO NUTE SLOUGH	9	9	9	7-00	150	2.7	10
THENCE TO TOLEDO	6	7	3	7-00	150	3.2	10
TOLEDO TO MI. 14.5	8	6	8	3-85	150	1.0	10
DEPOT SLOUGH	1	4	2	1-11	200	0.4	10

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

SECTION I

NM 28/11

Chart 18587

NM 28/11

COOS BAY, ISTHMUS SLOUGH AND CHARLESTON CHANNEL DEPTHS TABULATED FROM SURVEYS AND REPORTS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2011 AND SURVEYS TO MAR 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 (FEET)
ENTRANCE RANGE	39	41	39	2-11	—	1.9	37
ENTRANCE RANGE AND TURN	38	41	36	3-11	300	0.8	37
COOS BAY INSIDE RANGE	36	38	38	3-11	300	0.8	37
COOS BAY RANGE	37	37	36	3-11	300	0.9	37
EMPIRE RANGE	31	37	36	3-11	300-800	2.3	37
LOWER JARVIS RANGE	32	36	29	3-11	300-800	1.1	37
JARVIS TURN RANGE	37	41	37	3-11	300	0.6	37
UPPER JARVIS RANGE A	38	38	36	3-11	300	1.0	37
UPPER JARVIS RANGE B	34	37	35	3-11	400	1.4	37
NORTH BEND LOWER RANGE	38	39	36	3-11	400	0.4	37
RANGE AND TURN	36	39	38	3-11	500	0.4	37
NORTH BEND RANGE	27	37	36	2-11	400	1.1	37
NORTH BEND UPPER RANGES	32	38	36	2-11	400	0.8	37
LOWER TURNING BASIN	29	35	33	2-11	800	0.5	37
FERNDALE LOWER RANGE	36	38	35	10-10	400	0.4	37
FERNDALE TURN	34	36	35	10-10	400	0.1	37
FERNDALE UPPER RANGE	28	35	34	10-10	400	0.9	37
MARSHFIELD RANGE	33	35	31	10-10	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	32	25	17	10-10	400-600	0.9	37
ISTHMUS SLOUGH	19	20	19	4-85	150	2.0	22
CHARLESTON CHANNEL							
ENTRANCE	13	20	15	3-11	150	0.3	17
ENTRANCE TO BASIN	13	16	12	3-11	150	0.4	17
BASIN	16	16	1	3-11	250-500	0.2	16
BASIN TO BRIDGE	11	12	11	3-11	150	0.3	16

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

Chart 18649

NM 28/11

OAKLAND OUTER AND INNER HARBORS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2011								
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)
BAR CHANNEL	A49.0	A49.0	50.0	49.0	2-10	1000-930	0.57	50
OUTER HARBOR ENTRANCE CHANNEL	46.0	48.0	48.0	47.0	2-10; 1-11	900-600	0.91	50
OUTER HARBOR	39.0	40.0	40.0	39.0	2-10; 1-11	1575-600	1.40	50
INNER HARBOR								
ENTRANCE CHANNEL	47.0	49.0	47.0	40.0	2-10	2100-480	1.10	50
INNER HARBOR REACH	48.0	49.0	47.0	37.0	2,3-10; 1-11	1325-480	2.27	50
GROVE ST PIER TO BROOKLYN BASIN	B26.0	31.0	32.0	C27.0	2,12-10; 1-11	600	1.30	35
BROOKLYN BASIN SOUTH CHANNEL	D12.0	21.0	23.0	E15.0	12-10	600-500	0.90	35
PARK ST BRIDGE REACH	11.0	22.0	23.0	11.3	7-86;12-10	500-275	0.42	35

A. SHOALING TO 45 FEET REPORTED MAY 2010 FROM 37°48'03"N/122°21'40"W TO 37°48'00"N/122°21'39"W.
 B. A DEPTH OF 31.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 C. A DEPTH OF 32.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 D. A DEPTH OF 18.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 E. A DEPTH OF 19.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 28/11

Chart 18650

NM 28/11

OAKLAND OUTER AND INNER HARBORS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2011								
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)
BAR CHANNEL	A49.0	A49.0	50.0	49.0	2-10	1000-830	0.57	50
OUTER HARBOR ENTRANCE CHANNEL	46.0	48.0	48.0	47.0	2-10; 1-11	900-600	0.91	50
OUTER HARBOR	39.0	40.0	40.0	39.0	2-10; 1-11	1575-600	1.40	50
INNER HARBOR								
ENTRANCE CHANNEL	47.0	49.0	47.0	40.0	2-10	2100-480	1.10	50
INNER HARBOR REACH	48.0	49.0	47.0	37.0	2,3-10; 1-11	1325-480	2.27	50
GROVE ST PIER TO BROOKLYN BASIN	B26.0	31.0	32.0	C27.0	2,12-10; 1-11	600	1.30	35
BROOKLYN BASIN SOUTH CHANNEL	D12.0	21.0	23.0	E15.0	12-10	600-500	0.90	35
PARK ST BRIDGE REACH	11.0	22.0	23.0	11.3	7-98;12-10	500-275	0.42	35

A. SHOALING TO 45 FEET REPORTED MAY 2010 FROM 37°48'03"N/122°21'40"W TO 37°48'00"N 122°21'39"W.
B. A DEPTH OF 31.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
C. A DEPTH OF 32.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
D. A DEPTH OF 18.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
E. A DEPTH OF 19.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION