

DEPARTMENT OF THE ARMY  
GALVESTON DISTRICT, CORPS OF ENGINEERS  
P.O. BOX 1229  
GALVESTON, TEXAS 77553-1229

**October 2008**  
**HYDROGRAPHIC BULLETIN**

**CHANNELS WITH PROJECT DEPTHS UNDER 25 FEET**

**A report of the depths available for navigation in the Federal Project Waterways of the Galveston District**

★ Indicates changes from previous report

● Indicates dredging under contract

⊕ Indicates changes from previous report and dredging under contract

Distances are in statute miles

Depths are based on Corps of Engineers mean low tide datum

NOTE: Miles are measured west of Harvey Lock, Louisiana, via the channel across Galveston Bay and channel from Aransas Bay to Corpus Christi Bay.

NOTE: Mileage's are measured west of Harvey Lock, Louisiana, via the Gulf Intracoastal Waterway and Houston Ship Channel to the usual take-off points on Houston Ship Channel.

The main route of the Gulf Intracoastal Waterway traverses the following reaches of other waterways that are maintained under separate projects:

<u>Waterway</u>	<u>Reach</u>
Sabine - Neches Waterway	Sabine River to West Port Arthur
Port Isabel Channel	Port Isabel Turning Basin to Connecting Channels
Connecting Channel *	Port Isabel Channel to Brownsville Channel
Brownsville Channel	Connecting Channel* to Port Brownsville

\* Channel connecting Port Isabel and Brownsville Channel called the East and West Wye's.

Critical reaches of the waterway. Interruptions to traffic may occur during rises in the Brazos River since it may not be practicable to operate the floodgates at this crossing during such periods. Some delays may occur at the Colorado River Locks while vessels are locked for passage across the river during rises. Experience thus far in operating the Brazos River Floodgates and the Colorado River Locks has indicated that shoaling during rises of short duration is usually negligible when the structures are kept closed and causes no interruptions to traffic. During major rises in the rivers; however, heavy shoaling may occur in the forebays of the structures; and at times, some dredging may be required before traffic can pass.

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**PROJECT DIMENSIONS**

**PROJECT CONDITIONS**

SHALLOW DRAFT CHANNELS	Date of Survey	PROJECT DIMENSIONS			PROJECT CONDITIONS		
		Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
<b>GULF INTRACOASTAL WATERWAY MAIN CHANNEL</b>							
Sabine River - High Island	★ 10/08	125	53.1	12	★ 9.6	★ 12.0	★ 9.5
High Island - Galveston Bay	★ 10/08	125	30.0	12	★ 3.3	★ 8.7	★ 9.5
Across Galveston Bay	★ 09/08	125	7.2	12	★ 8.4	★ 8.4	★ 7.9
Alternate Route via Galv. Ch.(REOPENED)	★ 09/08	125	10.3	12	★ 8.4	★ 8.4	★ 7.8
Galveston Bay - Chocolate Bayou	★ 09/08	125	19.0	12	★ 10.0	★ 12.7	★ 10.8
Chocolate Bayou - Freeport Harbor	★ 09/08	125	19.0	12	★ 11.1	11.1	★ 9.3
Freeport Harbor - Brazos River	★ 09/08	125	5.9	12	★ 13.0	★ 15.0	★ 14.0
Brazos River Crossing	★ 09/08	125	0.7	12	★ 13.0	★ 15.0	★ 15.0
Brazos River - San Bernard River	★ 09/08	125	4.0	12	★ 9.2	★ 12.7	★ 11.7
San Bernard River - Colorado River	★ 09/08	125	35.6	12	★ 9.0	★ 10.0	★ 8.9
Colorado River Crossing	★ 09/08	125	1.0	12	★ 10.4	★ 11.5	★ 9.8
Colorado River - Matagorda Bay (Mile 461.6 WHL)	★ 10/08	125	20.1	12	★ 6.0	★ 9.0	★ 10.0
Mile 461.6 - Port O'Connor	05/07	125	11.1	12	5.0	5.5	9.3
Natural Bay Bottom	03/08	125	0.0	12	10.0	10.5	10.0
Port O'Connor - San Antonio Bay	★ 09/08	125	19.0	12	★ 8.9	★ 11.4	★ 10.1
Across San Antonio Bay	★ 09/08	125-235	8.6	12	★ 13.0	★ 15.0	★ 13.0
San Antonio Bay - Aransas Bay (Light 1)	02/08	125	10.4	12	6.0	9.0	10.6
Across Aransas Bay	★ 09/08	125	13.8	12	★ 10.8	★ 11.5	★ 11.7
Aransas Bay to Corpus Christi Ship Channel	03/08	125	14.4	12	8.0	11.0	9.0
<b>Alternate Route via Lydia Ann Channel:</b>							
Aransas Bay 49 to Light 83	12/07	125	7.9	12	10.0	11.0	11.4
Light 83 to Corpus Christi Ship Channel	10/07	125	3.8	12	9.5	9.0	8.0
Corpus Christi Ship Channel to S. Bird Island	07/08	125	25.2	12	9.5	3.0	0.2
S. Bird Island to Light 175	07/08	125	22.5	12	10.2	8.3	4.7
Light 175 - Banderia Island	07/08	125	21.6	12	9.1	12.7	11.7
Banderia Island - Channel to Port Mansfield	07/08	125	23.2	12	8.4	7.5	5.4
Channel to Port Mansfield-Arroyo Colorado	07/08	125	14.5	12	8.3	8.8	7.3
Arroyo Colorado - Port Brownsville	07/08	125	37.6	12	7.4	7.5	6.2

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<b>GULF INTRACOASTAL WATERWAY TRIBUTARY CHANNELS</b>							
<b>ADAMS BAYOU CHANNEL</b>							
Channel	★ 09/08	100	1.6	12	★ 4.0	★ 8.0	★ 6.0
<b>DOUBLE BAYOU</b>							
4.1 Miles in Bay to Mouth of Bayou	06/08	125	4.1	7	1.0	1.0	4.0
Mouth of Bayou to 2 Miles above Mouth	06/08	100	2.0	7	2.0	4.0	4.0
<b>COW BAYOU CHANNEL</b>							
Channel	★ 09/08	100	7.1	13	★ 3.0	★ 7.0	★ 7.0
Orangefield Turning Basin	★ 09/08	300	0.1	13	★ 3.0	★ 5.5	★ 5.6
<b>OFFATTS BAYOU CHANNEL</b>							
Channel	★ 09/08	125	2.2	12	4.6	★ 6.2	★ 5.0
<b>CHOCOLATE BAYOU CHANNEL</b>							
Bay Channel	★ 10/08	125	5.6	12	★ 10.0	★ 10.8	★ 10.0
Land Cut	★ 09/08	125	2.9	12	★ 11.1	★ 11.0	★ 10.3
<b>SAN BERNARD RIVER CHANNEL</b>							
Mile 0 to Mile 0.5	02/08	1032-100	0.5	9	4.9	7.8	0.8
Mile 0.5 to Mile 3.75	02/08	100	3.3	9	8.6	10.1	7.5
Mile 3.75 to Mile 8.0	4/94	100	4.3	9	n/a	9.0	n/a
Mile 8.0 to Mile 20.5	4/94	100	12.5	9	n/a	9.0	n/a
Mile 20.5 to Mile 25.2	4/94	100	4.7	9	n/a	9.5	n/a
Mile 25.2 to Mile 26.0	4/94	100	0.8	9	n/a	9.0	n/a
<b>MOUTH OF THE COLORADO RIVER</b>							
Mile 0 (Gulf) to Mile 0.8	★ 09/08	200	0.8	15	★ 1.5	1.1	★ 1.0
Mile 0.8 to Mile 2.5	★ 10/08	100	1.7	12	★ 4.0	★ 6.0	★ 3.7
Mile 2.5 to Mile 7.11 (GIWW)	★ 09/08	100	4.6	12	★ 3.4	★ 5.9	★ 3.5

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		Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
<b>COLORADO RIVER CHANNEL</b>							
By-Pass Channel	★ 09/08	100	0.9	9	★ 10.0	★ 7.0	★ 2.9
Mile 0 (GIWW) to Mile 2	★ 09/08	100	2.0	9	★ 10.0	9.0	★ 7.0
Mile 2 to Mile 8	★ 09/08	100	6.0	9	★ 3.5	★ 5.8	6.0
Mile 8 to Mile 13.5	★ 09/08	100	5.5	9	★ 1.8	★ 3.0	3.8
Mile 13.5 to Mile 15.5	★ 09/08	100	2.0	9	★ 1.4	★ 2.6	★ 2.6
Turning Basin	★ 09/08	100	0.1	9	★ 6.0	★ 9.0	★ 9.0
<b>CHANNEL TO PALACIOS</b>							
Mile 0 (GIWW) to Light 40	★ 09/08	125	10.0	12	★ 9.5	★ 10.3	★ 10.5
Light 40 to City Basin	★ 09/08	125	6.2	12	★ 11.2	★ 11.6	★ 10.9
City Basin	★ 09/08	150	0.1	12	★ 11.4	★ 12.6	★ 12.3
Entrance Channel to Mun. Basin	★ 09/08	400-130	0.1	12	★ 10.9	★ 10.9	★ 11.9
Municipal Basin	★ 09/08	240	0.2	12	★ 12.3	★ 11.8	★ 11.8
<b>CHANNEL TO PORT LAVACA AND RED BLUFF</b>							
Port Lavaca Channel	★ 09/08	125	4.1	12	★ 5.2	★ 5.2	★ 7.7
Lynn Bayou Turning Basin	★ 09/08	30-300	0.1	12	★ 7.7	★ 8.1	★ 7.7
<b>Port Lavaca Harbor of Refuge:</b>							
Approach Channel	★ 09/08	125	2.1	12	★ 5.3	★ 5.4	★ 5.1
North-South Basin	★ 09/08	300	0.3	12	★ 3.3	★ 11.0	★ 11.5
East-West Basin	★ 09/08	250	0.3	12	★ 11.4	★ 12.0	★ 12.1
<b>Extension to Red Bluff via Lavaca and Navidad Rivers:</b>							
Mile 0 to Mile 6.5	05/07	100	6.5	6	1.5	1.5	1.4
Mile 6.5 to F.M. Rd. 616	6/99	100	13.7	6	4.0	4.0	4.0

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		Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
<b>CHANNEL TO VICTORIA</b>							
Mile 0 (GIWW) to Mile 11	★ 09/08	125	11.0	12	★ 10.0	★ 10.0	★ 10.0
Westerly connecting 'Y' channel	★ 09/08	125	0.8	12	11.0	11.0	11.0
Mile 11 to Mile 14.0	★ 09/08	125	3.0	12	★ 11.0	★ 11.0	11.0
Mile 14.0 to Mile 29	★ 09/08	125	15.0	12	9.0	★ 11.0	★ 9.0
Mile 29 to Mile 34.7	03/08	125	5.7	12	8.5	12.5	10.0
Turning Basin	08/06	125-818	0.2	12	14.5	15.0	15.0
Connecting Channel to Seadrift	07/06	100	2.0	9	5.5	5.5	5.5
Seadrift Turning Basin	07/06	230	0.0	9	8.4	9.2	8.4
<b>CHANNEL TO FULTON</b>							
Channel	08/07	100	0.5	12	5.5	7.0	5.0
Turning Basin	08/07	200	0.2	12	7.0	8.0	7.0
<b>CHANNEL TO ROCKPORT</b>							
Channel	08/07	100	6.8	9	9.7	9.0	4.0
Harbor Basin	08/07	350	0.2	9	2.5	8.0	7.5
<b>CHANNEL TO ARANSAS PASS</b>							
Channel	06/07	125-175	6.1	14	11.0	11.0	11.0
Turning Basin	08/06	300	0.4	14	13.6	14.0	14.4
Connecting Channel	08/06	125	0.1	14	15.0	15.0	15.0
Conn Brown Harbor	08/06	50-510	0.4	14	14.0	14.0	14.7
<b>CHANNEL TO PORT ARANSAS</b>							
Channel	09/06	100	0.2	12	9.5	9.8	8.5
Turning Basin	09/06	200-400	0.2	12	9.5	9.5	7.7

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SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left	Middle	Right
					¼ Channel (Feet)	½ Channel (Feet)	¼ Channel (Feet)
<b>CHANNEL TO PORT MANSFIELD</b>							
Entrance Channel	07/08	250	0.7	16	4.3	4.7	5.1
Mile 0.7 to Mile 1.3	07/08	100-300	0.6	14	9.6	11.7	11.5
Mile 1.3 to Mile 3	07/08	100	1.7	14	9.9	10.4	10.7
Mile 3 to Mile 6	07/08	100	3.0	14	12.2	12.6	12.6
Mile 6 to Main Channel (GIWW)	07/08	100	2.9	14	4.9	4.7	5.2
Entrance Curves	04/07	200	0.6	12	5.5	5.6	5.3
Main Channel to Turning Basin	04/07	125-200	0.9	14	1.7	3.0	2.0
Turning Basin	04/07	200-400	0.7	14	9.0	9.0	7.6
Shrimp Basin	04/07	350	0.3	12	12.0	12.3	12.0
<b>CHANNEL TO PORT HARLINGEN</b>							
North Wye	07/08		x	12	7.8	8.4	7.1
South Wye	07/08		x	12	5.9	7.3	6.8
Mile 0 to Mile 8	07/08	200-125	8.0	12	8.7	11.2	10.4
Mile 8 to Mile 20	07/08	125	12.0	12	8.3	10.8	8.4
Mile 20 to Mile 25.9	07/08	125	5.9	12	7.8	8.0	6.4
Turning Basin	07/08	400	0.1	12	12.0	12.3	12.0
<b>SIDE CHANNELS AT PORT ISABEL</b>							
60-foot channel	08/07	60	0.2	12	12.5	12.5	11.2
125-foot channel	08/07	125	1.1	12	9.0	8.0	7.0
125-foot Channel - South Leg	08/07	125	1.1	12	8.5	11.0	9.5
<b>PORT ISABEL SMALL BOAT HARBOR</b>							
					<b>USABLE DIMENSIONS</b>		
Entrance Channel	04/07	75	1.5	9	2.5	2.5	2.0
Harbor Channel	04/07	50	0.3	7	2.0	2.0	2.0
Basin	04/07	50-500	0.3	6	4.5	4.4	3.0

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					Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
<b>HOUSTON SHIP CHANNEL, TRIBUTARY CHANNELS</b>							
<b>CEDAR BAYOU</b>							
Houston Ship Channel to U.S. Steel Dock	★ 09/08	100	5.5	11	★ 5.6	★ 4.5	★ 4.4
<b>ATKINSON ISLAND</b>							
Barge Mooring Basin	1/02	100-150	1.8	12	9.4	9.5	9.3
<b>GREENS BAYOU CHANNEL</b>							
First bend to Parker Brothers Slip	09/05	150-100	1.3	15	15.0	14.0	13.0
<b>BRADY ISLAND CHANNEL</b>							
Upstream from Cypress Str. Bridge	03/04	50	0.3	10	Left ½ 13.0	12.0	Right ½ 10.0
Downstream from Cypress Str. Bridge	03/04	50	0.5	10	7.0	8.0	8.0
<b>CHANNEL IN BUFFALO BAYOU</b>							
Houston Turning Basin to 69th Street Bridge	★ 09/08	60	0.8	10	13.0	13.0	12.0
69th Street Bridge to Lockwood Drive Bridge	★ 09/08	60	1.5	10	8.0	8.0	6.0
Lockwood Drive Bridge to Jensen St. Bridge	★ 09/08	60	1.7	10	10.0	8.0	6.0
Turkey Bend Channel	★ 09/08	60	0.8	10	4.0	1.0	1.0
Jensen Street Bridge to Southern Pacific Dock	★ 09/08	60	0.6	9	2.0	1.0	0.0

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<b>USABLE DEPTHS IN OTHER SMALL ACTIVE CHANNELS</b>							
<b>USABLE DIMENSIONS</b>							
CHANNEL TO PORT BOLIVAR	10/07	200	0.1	14	7.8	7.8	7.8
<b>DICKINSON BAYOU</b>							
Light 2 to Light 27	06/08	60	9.9	6	7.0	6.0	5.0
Light 27 to Highway 146 Bridge	06/08	60	1.5	6	1.0	1.0	1.0
<b>CHANNEL TO LIBERTY</b>							
Houston Ship Channel to Smith Point	03/07	150	6.4	9	1.0	2.0	2.0
Anahauc	06/08	100	6.4	6.0	2.0	2.0	2.0
Anahuac Channel to Texas Gulf Sulphur Slip	06/08	100	11.3	6.0	1.0	1.0	1.0
Texas Gulf Sulphur Slip to Devers Canal	2/94	100	9.5	6	4.0 ft at centerline		
Devers Canal to South Liberty Oil Field	7/01	100	12.2	6	+0.4' x 100'		
South Liberty Oil Field to Cut Off Channel	7/01	100	2.2	6	+0.1, +2.6, +1.5		
Cut Off Channel to Liberty	7/01	100	3.1	6	-3.2, +1.6, +2.6		
<b>CLEAR CREEK AND CLEAR LAKE</b>							
Entrance Channel	06/08	75	3.3	9	6.0	6.0	6.0
North Fork Channel	5/88	60	0.7	7	1.0 ft by 60 ft		
Clear Lake Channel	06/08	60	2.8	7	4.0	4.0	2.0
Clear Creek Channel	5/98		3.8		7.0 ft by 60 ft		
Five Mile Cut	06/08	125	1.9	12	7.0	7.0	7.0
<b>JEWEL FULTON CANAL</b>							
Canal	★ 09/08	100	0.9	16	★ 10.5	★ 12.9	★ 13.0
Basin	09/06		0.1	16	14.0	13.5	14.0
<b>RINCON CANAL</b>							
Approach Channel	11/07	100-567	2.9	10	10.0	10.0	10.0
Connecting Channel	11/07	275	0.4	10	11.5	12.0	12.0
Canal "A"	02/07	100-125	0.9	10	9.1	9.6	7.3
Turning Basin	02/07	275	0.1	10	11.2	11.4	11.9

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<b>Brownsville Fishing Boat Harbor</b>							
Entrance Channel	06/07	100	0.2	15	13.4	17.2	13.5
Connecting Channel	06/07	265	0.2	15	14.4	14.5	14.0
West Connecting Channel	06/07	265	0.2	15	13.8	14.6	14.8
West Basin	06/07	305-370	0.3	15	14.4	14.1	12.5
Middle Basin	06/07	305-370	0.2	15	12.6	15.0	13.4
East Basin	06/07	305-370	0.1	15	13.5	13.5	13.5

**NOTES:**

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