

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

**August 2004**  
**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	Feet Width	Miles Length	Feet Depth	PROJECT CONDITIONS		
					Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
<b>GULF INTRACOASTAL WATERWAY MAIN CHANNEL</b>							
Sabine River - High Island	04/04	125	53.1	12	12.0	13.0	11.0
High Island - Galveston Bay	④ 05/04	125	30.0	12	13.5	12.6	8.6
Across Galveston Bay	01/04	125	7.2	12	15.2	16.0	16.2
Alternate Route via Galv. Ch.(REOPENED)	03/04	125	10.3	12	10.1	9.8	9.1
Galveston Bay - Chocolate Bayou	03/04	125	19.0	12	15.1	15.7	13.0
Chocolate Bayou - Freeport Harbor	10/03	125	19.0	12	10.1	10.9	9.3
Freeport Harbor - Brazos River	04/04	125	5.9	12	14.7	15.7	15.2
Brazos River Crossing	★ 07/04	125	0.7	12	★ 12.9	★ 11.6	★ 10.7
Brazos River - San Bernard River	★ 07/04	125	4.0	12	★ 15.2	★ 15.6	★ 13.6
San Bernard River - Colorado River	★ 07/04	125	35.6	12	★ 13.4	★ 11.1	★ 9.2
Colorado River Crossing	★ 07/04	125	1.0	12	★ 9.6	★ 10.3	★ 9.4
Colorado River - Matagorda Bay (Mile 461.6 WHL)	03/04	125	20.1	12	14.5	16.1	15.9
Mile 461.6 - Port O'Connor	★ 05/04	125	11.1	12	★ 12.3	★ 13.0	★ 13.1
Port O'Connor - San Antonio Bay	★ 07/04	125	19.0	12	9.1	★ 10.5	★ 9.9
Across San Antonio Bay	01/03	125-235	8.6	12	10.5	11.0	10.0
San Antonio Bay - Aransas Bay (Light 1)	01/03	125	10.4	12	11.0	12.5	12.5
Across Aransas Bay	★ 03/04	125	13.8	12	★ 8.5	★ 12.0	★ 12.0
Aransas Bay to Corpus Christi Ship Channel	02/03	125	14.4	12	6.0	7.8	8.9
<b>Alternate Route via Lydia Ann Channel:</b>							
Aransas Bay 49 to Light 83	★ 02/04	125	7.9	12	★ 10.0	★ 12.0	★ 12.8
Light 83 to Corpus Christi Ship Channel	★ 02/04	125	3.8	12	★ 11.5	★ 10.0	★ 9.0
Corpus Christi Ship Channel to S. Bird Island	★ 03/04	125	25.2	12	★ 10.0	★ 12.5	★ 10.0
S. Bird Island to Light 175	★ 03/04	125	22.5	12	★ 7.2	★ 10.0	★ 10.0
Light 175 - Banderia Island	★ 04/04	125	21.6	12	★ 7.5	★ 11.0	★ 10.5
Banderia Island - Channel to Port Mansfield	★ 04/04	125	23.2	12	★ 7.5	★ 11.0	★ 10.5
Channel to Port Mansfield-Arroyo Colorado	★ 04/04	125	14.5	12	★ 9.3	★ 11.0	★ 9.5
Arroyo Colorado - Port Brownsville	★ 04/04	125	37.6	12	★ 10.0	★ 10.7	★ 7.0

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					Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
<b>GULF INTRACOASTAL WATERWAY TRIBUTARY CHANNELS</b>							
<b>ADAMS BAYOU CHANNEL</b>							
Channel	01/04	100	1.6	12	4.8	7.8	6.3
<b>DOUBLE BAYOU</b>							
4.1 Miles in Bay to Mouth of Bayou	10/03	125	4.1	7	4.0	6.0	6.0
Mouth of Bayou to 2 Miles above Mouth	10/03	100	2.0	7	5.0	6.0	5.0
<b>COW BAYOU CHANNEL</b>							
Channel	03/04	100	7.1	13	4.6	7.5	8.0
Orangefield Turning Basin	03/04	300	0.1	13	1.2	4.3	5.8
<b>OFFATTS BAYOU CHANNEL</b>							
Channel	5/04	125	2.2	12	5.0	6.8	5.3
<b>CHOCOLATE BAYOU CHANNEL</b>							
Bay Channel	03/04	125	5.6	12	8.2	10.4	9.3
Land Cut	03/04	125	2.9	12	8.0	7.9	7.3
<b>SAN BERNARD RIVER CHANNEL</b>							
Mile 0 to Mile 0.5	★ 07/04	1032-100	0.5	9	★ 3.3	★ 8.1	★ 4.2
Mile 0.5 to Mile 3.75	★ 07/04	100	3.3	9	★ 9.3	★ 9.3	★ 6.8
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	★ 07/04	200	0.8	15	★ 0.2	★ 0.2	★ 0.6
Mile 0.8 to Mile 2.5	★ 07/04	100	1.7	12	★ 8.9	★ 4.4	★ 0.2
Mile 2.5 to Mile 7.11 (GIWW)	01/04	100	4.6	12	9.5	9.7	7.6

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PROJECT DIMENSIONS

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					Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
<b>COLORADO RIVER CHANNEL</b>							
By-Pass Channel	01/04	100	0.9	9	13.3	8.3	4.7
Mile 0 (GIWW) to Mile 2	02/04	100	2.0	9	9.8	9.5	7.2
Mile 2 to Mile 8	02/04	100	6.0	9	3.5	5.8	5.4
Mile 8 to Mile 13.5	2/01	100	5.5	9	0.5	9.0	7.3
Mile 13.5 to Mile 15.5	03/04	100	2.0	9	0.9	3.8	3.6
Turning Basin	03/04	100	0.1	9	7.0	11.9	12.6
<b>CHANNEL TO PALACIOS</b>							
Mile 0 (GIWW) to Light 40	★ 07/04	125	10.0	12	★ 8.1	★ 8.4	★ 9.5
Light 40 to City Basin	★ 07/04	125	6.2	12	★ 8.2	★ 9.5	★ 7.7
City Basin	★ 07/04	150	0.1	12	★ 13.0	★ 13.3	★ 13.3
Entrance Channel to Mun. Basin	★ 07/04	400-130	0.1	12	★ 13.2	★ 12.7	★ 12.2
Municipal Basin	★ 07/04	240	0.2	12	★ 13.0	★ 13.0	★ 13.0
<b>CHANNEL TO PORT LAVACA AND RED BLUFF</b>							
Port Lavaca Channel	★ 05/04	125	4.1	12	★ 10.0	★ 10.0	★ 10.0
Lynn Bayou Turning Basin	★ 05/04	30-300	0.1	12	★ 10.0	★ 10.0	★ 10.0
<b>Port Lavaca Harbor of Refuge:</b>							
Approach Channel	★ 05/04	125	2.1	12	★ 7.0	★ 7.0	★ 7.0
North-South Basin	★ 05/04	300	0.3	12	★ 13.7	★ 14.0	★ 13.0
East-West Basin	★ 05/04	250	0.3	12	★ 13.0	★ 13.0	★ 10.2
<b>Extension to Red Bluff via Lavaca and Navidad Rivers:</b>							
Mile 0 to Mile 6.5	★ 06/04	100	6.5	6	★ 1.2	★ 1.3	★ 1.1
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	12/01	100	11.0	9	6.3	8.4	5.5
Westerly connecting 'Y' channel	11/02	100	0.8	9	14.0	14.0	14.0
Mile 11 to Mile 14.0	08/03	100	3.0	9	9.6	12.2	9.7
Mile 14.0 to Mile 29	08/03	100	15.0	9	5.5	11.3	6.1
Mile 29 to Mile 34.7	4/02	100	5.7	9	14.0	14.0	14.0
Turning Basin	4/02	100-818	0.2	9	14.0	14.0	14.0
Connecting Channel to Seadrift	12/01	100	2.0	12	4.3	4.8	4.3
Seadrift Turning Basin	12/01	230	0.0	9	6.7	7.7	8.8
<b>CHANNEL TO FULTON</b>							
Channel	10/99	100	0.5	12	5.0	6.5	5.5
Turning Basin	10/99	200	0.2	12	6.0	7.0	6.0
<b>CHANNEL TO ROCKPORT</b>							
Channel	9/00	100	6.8	9	9.5	10.0	9.0
Harbor Basin	9/00	350	0.2	9	5.0	8.0	7.0
<b>CHANNEL TO ARANSAS PASS</b>							
Channel	10/01	125-175	6.1	14	10.0	9.1	9.1
Turning Basin	3/01	300	0.4	14	15.0	15.5	15.0
Connecting Channel	3/01	125	0.1	14	15.0	15.0	15.0
Conn Brown Harbor	3/01	50-510	0.4	14	15.0	15.0	15.0
<b>CHANNEL TO PORT ARANSAS</b>							
Channel	11/00	100	0.2	12	7.0	7.0	6.0
Turning Basin	11/00	200-400	0.2	12	7.0	7.0	7.0

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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 PORT MANSFIELD</b>							
Entrance Channel	★ 07/04	250	0.7	16	★ 6.5	★ 6.5	★ 7.0
Mile 0.7 to Mile 1.3	★ 07/04	100-300	0.6	14	★ 13.2	★ 13.4	★ 14.0
Mile 1.3 to Mile 3	★ 07/04	100	1.7	14	11.0	11.0	11.2
Mile 3 to Mile 6	★ 07/04	100	3.0	14	13.2	13.3	★ 13.9
Mile 6 to Main Channel (GIWW)	★ 07/04	100	2.9	14	★ 6.4	★ 6.5	★ 6.4
Entrance Curves	★ 07/04	200	0.6	12	★ 6.6	★ 6.4	★ 6.2
Main Channel to Turning Basin	★ 07/04	125-200	0.9	14	★ 7.0	★ 8.0	★ 8.3
Turning Basin	★ 07/04	200-400	0.7	14	13.0	14.4	13.0
Shrimp Basin	★ 07/04	350	0.3	12	★ 12.2	★ 12.5	★ 12.3
<b>CHANNEL TO PORT HARLINGEN</b>							
Mile 0 to Mile 8	★ 07/04	200-125	8.0	12	9.0	11.0	★ 9.2
Mile 8 to Mile 20	★ 07/04	125	12.0	12	★ 5.5	★ 9.7	8.2
Mile 20 to Mile 25.9	★ 07/04	125	5.9	12	★ 5.3	★ 7.5	★ 7.0
Turning Basin	★ 07/04	400	0.1	12	★ 7.0	★ 5.5	★ 9.0
<b>SIDE CHANNELS AT PORT ISABEL</b>							
60-foot channel	★ 06/04	60	0.2	12	9.0	★ 10.0	★ 7.3
125-foot channel	★ 06/04	125	1.1	12	★ 12.0	★ 12.0	10.0
<b>PORT ISABEL SMALL BOAT HARBOR</b>							
<b>USABLE DIMENSIONS</b>							
Entrance Channel	★ 07/04	75	1.5	9	★ 2.0	★ 2.7	★ 2.0
Harbor Channel	★ 07/04	50	0.3	7	2.0	2.0	2.0
Basin	★ 07/04	50-500	0.3	6	★ 5.5	★ 5.7	★ 3.4

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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	08/03	100	5.5	11	7.0	8.0	6.0
<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	11/03	150-100	1.3	15	13.0	11.0	9.0
<b>BRADY ISLAND CHANNEL</b>							
Upstream from Cypress Str. Bridge	03/04	50	0.3	10	13.0	12.0	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	04/04	60	0.8	10	5.0	5.0	9.0
69th Street Bridge to Lockwood Drive Bridge	04/04	60	1.5	10	10.0	8.0	6.0
Lockwood Drive Bridge to Jensen St. Bridge	04/04	60	1.7	10	1.0	5.0	4.0
Turkey Bend Channel	02/03	60	0.8	10	7.3	9.7	5.3
Jensen Street Bridge to Southern Pacific Dock	3/94	60	0.6	9		10ft by 50ft	

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					Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
<b>USABLE DEPTHS IN OTHER SMALL ACTIVE CHANNELS</b>					<b>USABLE DIMENSIONS</b>		
CHANNEL TO PORT BOLIVAR	4/99	200	0.1	14	18.0 ft by 200 ft		
<b>DICKINSON BAYOU</b>							
Light 2 to Light 27	10/03	60	9.9	6	6.0	5.0	5.0
Light 27 to Highway 146 Bridge	10/03	60	1.5	6	2.0	2.0	1.0
<b>CHANNEL TO LIBERTY</b>							
Houston Ship Channel to Smith Point	3/02	150	6.4	9	0.2	0.2	0.2
Anahauc	⑦ 03/04	100	6.4	6.0	4.0	4.0	3.0
Anahuac Channel to Texas Gulf Sulphur Slip	6/01	100	11.3	6.0	4.6	4.5	4.1
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	03/04	75	3.3	9	12.0	13.0	12.0
North Fork Channel	5/88	60	0.7	7	1.0 ft by 60 ft		
Clear Lake Channel	03/04	60	2.8	7	2.0	3.0	2.0
Clear Creek Channel	5/98		3.8		7.0 ft by 60 ft		
Five Mile Cut	03/04	125	1.9	12	5.0	5.0	5.0
Jewel Fulton Canal	6/02	100	0.9	16	15.7 ft by 100 ft		
<b>RINCON CANAL</b>							
Channel	★ 08/02	★ 100-567	★ 2.9	★ 10	★ 8.0	★ 11.0	★ 8.0
	★	275	0.1	★ 10			

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<b>Brownsville Fishing Boat Harbor</b>							
Entrance Channel	★ 07/04	100	0.2	15	17.0	16.5	13.0
Connecting Channel	★ 07/04	265	0.2	15	14.6	14.5	14.1
West Basin	★ 07/04	305-370	0.3	15	14.0	14.3	15.0
Middle Basin	★ 07/04	305-370	0.2	15	14.0	14.0	12.5
East Basin	★ 07/04	★ 13.5	★ 13.0	★ 13.6		14.5 ft by 370 ft	

NOTES:

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- ③
- ④
- ⑤
- ⑥
- ⑦
- ⑧
- ⑨

④ Area of concern is between Mile Marker 340.36 to 1,400 ft. east of Mile Marker 342.82

⑦ The river portion of Anahuac Channel controlling depth are 0' Lt. Qtr., 1' Middle half, 3' Right Qtr.