

REPORT OF CHANNEL CONDITIONS
(FOR CHANNELS 400 FEET WIDE OR GREATER)
(ER 1130-2-316)

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Aug-2006

TO:
Manatee County Port Authority, 13231 Eastern Avenue
Palmetto, FL

FROM
USACE, District Engineer
Attn: CESAJ-CO-OM Jacksonville, Florida

RIVER/HARBOR NAME AND STATE
Manatee Harbor, Manatee County, FL

MINIMUM DEPTHS IN EACH 1/4 WIDTH OF
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Left Inside Quarter (feet)	Right Inside Quarter (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)				
Widener: From junction of Cut-B (Tampa Bay) to 100 feet west of red Buoy-2	Aug-2006	400-2100	0.17	40	39.1(1)	39.1(1)	39.0(1)	40.1(1)
Entrance Channel: from 100 feet west of red Buoy-2 to red Buoy-4.	Aug-2006	400	0.9	40	39.3(2)	39.1(2)	39.6(2)	39.2(2)
Entrance Channel: from red Buoy-4 to red Buoy-6.	Aug-2006	400	0.8	40	40.4(3)	40.4(3)	40.5(3)	39.8(3)
Entrance channel: from red Buoy-6 to 900 feet southeast of red Light-8.	Aug-2006	400-900	1	40	36.5(4)	38.6(4)	40.2(4)	37.5(4)
Turning Basin	Aug-2006	750	0.34	40	36.5(5)	38.6(5)	40.2(5)	37.5(5)
South Berthing Area No. 11	Aug-2006	400	0.15	40	38.3(6)			38.6(6)
North Berthing Area No. 5	Mar-2005	100-400	0.13	20	16.1(7)*			16.9 (7)*

Remarks:

1. Spot shoals throughout this reach.
2. Spot shoals throughout this reach.
3. Spot shoal on southern edge of channel.
4. Significant shoaling in this reach. Shoaling located 1,220 feet southeast of green Light-5 extending southeast 2,000 feet. Shoals extend into channel 150 feet on both sides of channel.
5. Spot shoaling on outer edges of channel.
6. Shoals throughout turning basin.
7. Northern Berthing Area No. 5 Contains information from pre-dredge survey #05-064 dated March 2005. Remaining reaches contain information from project condition survey #06-140 dated August 2006.