

REPORT OF CHANNEL CONDITIONS
(FOR CHANNELS 400 FEET WIDE OR
GREATER)

November 2002

TO:
Port Manager, Port and Airport Authority
2300 Virginia Avenue, Fort Pierce, FL 33482

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

RIVER/HARBOR NAME AND STATE
Fort Pierce Harbor, St. Lucie County, FL 33482

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)				
Entrance Channel: Cut-1, from 1,500 feet (0.25 nm) landward of Red Lighted Buoy-2 to Red Lighted Buoy-6	Sep-2002	360-400	1.3	30	29.7	29.8	29.9	29.2 (1)
Cut-1, from Red Lighted Buoy-6 to 900 feet east of Red Lighted Buoy-8	Sep-2002	250-360	0.5	30	26.5 (2)	25.9 (2)	25.9 (2)	29.7 (2)
Cut-1, from 900 feet east of Red Lighted Buoy-8 to Red Lighted Buoy-10	Sep-2002	250-385	0.6	28	28.2	26.3 (3)	24.5 (3)	22.6 (3)
Cut-2, from Red Lighted Buoy-10 to Red Lighted Buoy-12	Sep-2002	250-385	0.5	28	24.9 (4)	24.4 (4)	27.8 (4)	30.2
Cut-2, from Red Lighted Buoy-12 to Green Light-17 @ Turning Basin	Sep-2002	250	0.8	28	19.4 (5)	25.7 (5)	28.4	28.2
Turning Basin	Sep-2002	250-2200	0.3	28	24.4 (5)	27.9	28.1	27.8

Remarks:

1. Minor spot shoaling located along northern edge of channel, from 400 feet east of and extending to 450 west of Red Lighted Buoy-4.
2. Spot shoaling located throughout channel, from 200 feet east of and extending to 1,200 feet west of Green Lighted Buoy-5.
3. Spot shoaling located in middle of channel approximately 350 feet west of Red Lighted Buoy-8. Shoaling also located along the northern edge of channel, in vicinity of Red Lighted Buoy-10.
4. Spot shoaling located throughout channel, from 400 feet east of and extending to Green Lighted Buoy-11.
5. Shoaling located along southern portion of channel, from 600 feet east of and extending to Green Light-17.