

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER (ER 1130-2-306)						PAGE	1 OF 2	
						DATE June 3, 2013		
TO: The Record					FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090			
RIVER/HARBOR NAME AND STATE: New York Harbor, Main Ship Channel, New York					MINIMUM DEPTHS IN 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 (nmiles)	DEPTH (feet)				
Reach A (Chapel Hill North Channel): From the junction with Ambrose Channel to a point approximately 70 ft seaward of RED/GREEN JUNCTION.	Map 64 Pg 4 thru 7 of 7; 28-29 March 2013	1,000	2.2	30	28.9	29.5	29.4	27.7
Reach B (Chapel Hill South Channel): From a point approximately 70 ft seaward of RED/GREEN JUNCTION to the junction with Sandy Hook Channel approximately 33 ft landward of RED/GREEN "SP" BUOY W/GONG.	Map 64 Pg 1 thru 4 of 7; 28-29 March 2013	1,000	2.6	30	29.7	28.9	30.4	21.4
Reach C (Widening at Junction with Sandy Hook Channel): Located eastward of Reach B, commencing along the eastern Main Ship Channel boundary (Reach B) approximately 70 ft landward of RED NUN #4 to a point approximately 2,297 feet westward of RED W/LIGHT #20 and concluding along the Sandy Hook Channel boundary to a point approximately 700 feet eastward of RED BELL #18.	Map 64 Pg 1 & 2 of 7; 28-29 March 2013	Irregular "L" Shape	Irregular "L" Shape	30	27.9			
Reach V (Widening at Junction with Sandy Hook Channel): Located westward of Reach B, commencing along the western Main Ship Channel boundary (Reach B) approximately 240 ft seaward of GREEN CAN #3 to a point approximately 1,535 feet eastward of RED/GREEN SP BUOY W/ GONG and concluding along the Sandy Hook Channel boundary to a point approximately 795 feet westward of RED/GREEN SP BUOY W/ GONG.	Map 64 Pg 1 & 2 of 7; 28-29 March 2013	Irregular "L" Shape	Irregular "L" Shape	30	29.9			

REMARKS:

- All depths in Mean Low Water (MLW)
- Channel length is in nautical miles.

MAIN SHIP CHANNEL:**Reach A (Chapel Hill North Channel):**

- Edge shoaling along the toe line exists in the Right Outside Quarter of the reach beginning approximately 70 ft seaward of RED/GREEN JUNCTION and extending approximately 1,180 ft landward. A second edge shoal in the Right Outside Quarter begins approximately 690 ft seaward of RED NUN #14 and extends approximately 2,700 feet landward. Edge shoaling along the toe line exists in the Left Outside Quarter of the reach starting approximately 280 ft landward of GREEN CAN #13 and extending approximately 325 ft landward. Another edge shoal in the Left Outside Quarter begins approximately 480 ft landward of GREEN LIGHT #15 and extends landward approximately 1,205 ft. Spot shoaling exists throughout all quarters of the reach.

Reach B (Chapel Hill South Channel):

- Edge shoaling exists in the Right Outside Quarter beginning approximately 210 ft seaward of RED/GREEN JUNCTION and extends approximately 5,865 ft seaward having a maximum width of approximately 85 ft. Another edge shoal exists in the Right Outside Quarter beginning approximately 430 ft landward of RED NUN #8 and extends seaward approximately 4,400 ft seaward having a maximum width of approximately 25 ft. The Right Outside Quarter also has a shoal that begins approximately 1,660 ft seaward of RED NUN #4 and extends approximately 860 ft seaward, with a maximum width of approximately 185 ft.
- A spot shoal exists approximately 105 feet seaward from RED/GREEN JUNCTION in the Left Inside Quarter.
- Edge shoaling exists in the Left Outside Quarter beginning approximately 90 ft seaward of GREEN LIGHT W/ GONG #5 and extending seaward approximately 1,355 ft, with a maximum width of approximately 20 ft.

Reach C (Widening at Junction with Sandy Hook Channel):

- Shoaling exists throughout the majority of this reach with the largest shoal beginning approximately 415 feet west of RED NUN #2 and extending approximately 1,700 feet southeast. Another shoal begins approximately 340 feet northwest of RED NUN # 2 and extends landward approximately 805 feet.

Reach V (Widening at Junction with Sandy Hook Channel):

- Minor shoaling exists along the western toe of this reach with a maximum width of approximately 15 ft.