

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER						PAGE	1	OF	2
						DATE	30 January 2015		
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 115 ft seaward of RED/GREEN JUNCTION.	Map 66 Shts 4 thru 7 of 7; 29 Oct; 5,6,10,12-13,15,20 Nov 2014	1,000	2.2	30	21.0	28.5	26.4	27.0	
Reach B (Chapel Hill South Channel): From a point approximately 115 ft seaward of RED/GREEN JUNCTION to the junction with Sandy Hook Channel approximately 880 ft seaward of RED NUN #2 FLOOD	Map 66 Shts 1 thru 4 of 7; 29 Oct; 5,6,10,12-13,15,20 Nov 2014	1,000	2.6	30	30.1	30.2	31.0	21.4	
Reach C (Widener at Junction with Sandy Hook Channel): Located eastward of Reach B, commencing along the eastern Main Ship Channel boundary (Reach B) at approximately RED NUN #4 to a point approximately 2,275 feet westward of RED W/LIGHT #20 and concluding along the Sandy Hook Channel boundary to a point approximately 535 feet eastward of RED W/ LIGHT #18.	Map 66 Shts 1 thru 2 of 7; 29 Oct; 5,6,10,12-13,15,20 Nov 2014	Irregular "L" Shape	Irregular "L" Shape	30	28.4				
Reach V –Widener at Junction of Sandy Hook Channel and Main Ship Channel: Located westward of Reach B, commencing along the western Main Ship Channel boundary (Reach B) approximately 315 ft seaward of GREEN CAN #3 and proceeding approximately an additional 2150 ft. seaward to the Sandy Hook Channel and concluding along the Sandy Hook Channel boundary to a point approximately 790 feet westward of RED/GREEN "SP" BUOY W/ GONG.	Map 66 Shts 1 thru 2 of 7; 29 Oct; 5,6,10,12-13,15,20 Nov 2014	Irregular "L" Shape	Irregular "L" Shape	30	30.5				

REMARKS:

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

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

- Several shoals with a maximum width of 60 ft. exists along the east toe of the reach beginning approximately 375 ft. seaward of RED NUN #14 FLOOD and extending landward approximately 2200 ft. Several spot shoals exist in all four quarters beginning 590 ft. seaward of RED NUN #14 FLOOD and extending landward 6600 ft. A shoal with a maximum width of 25 ft. exists along the toe of the LEFT OUTSIDE QUARTER beginning approximately 495 ft. landward of RED NUN #14 FLOOD and extending landward approximately 70 ft. A shoal with a maximum width of 35 ft. exists along the toe of the LEFT OUTSIDE QUARTER beginning approximately 1370 ft. landward of RED NUN #14 FLOOD and extending landward approximately 165 ft.

Reach B (Chapel Hill South Channel):

- Shoaling with a maximum width of 75 ft. exists along the toe of the Right Outside Quarter beginning approximately 115 ft seaward of the beginning of the reach and extending landward approximately 550 ft. Several shoals with a maximum width of approximately 85 ft. exist along the toe of the Right Outside Quarter beginning approximately 380 ft seaward of RED NUN #6 FLOOD and extending to approximately 340 ft. seaward of RED/GREEN JUNCTION FLOOD.

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

- A large oval shaped shoal approximately 1430 ft. long and approximately 780 ft. wide fills the southwest corner of the reach. A shoal with a maximum width of 37 ft. exists along the east toe of the reach beginning approximately 300 ft. landward of RED NUN #2 FLOOD and extending landward approximately 680 ft. A shoal with a maximum width of 35 ft. exists along the north toe of the reach beginning approximately 105 ft. landward of RED w/LIGHT #18 FLOOD and extending seaward approximately 430 ft.

Reach V (Widener at Junction of Sandy Hook Channel & Main Ship Channel):

- No Shoaling exists in this reach.