

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

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DATE 23 November 2020

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

**MINIMUM DEPTHS IN EACH ¼ WIDTH OF
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
Reach A (Chapel Hill North Channel): From approximately 100 feet seaward of RED/GREEN JUNCTION at the channel's bend to the junction with Ambrose Channel.	File 4999 Sheet 3 - 6 of 6; 28 Sept, 2, 5, 6, 9, 27 Oct 2020	1,000	2.2	30	27.2	27.8	27.8	26.7
Reach B (Chapel Hill South Channel): From the junction with Sandy Hook Channel approximately 1,685 feet seaward of GREEN CAN #3 W/ LIGHT FLOOD to approximately 100 feet seaward of RED/GREEN JUNCTION at the channel's bend.	File 4999 Sheet 1 - 3 of 6; 28 Sept, 2, 5, 6, 9, 27 Oct 2020	1,000	2.6	30	29.8	29.5	30.8	20.4
Reach C (Widening at Junction with Sandy Hook Channel): Located eastward of Reach B, commencing along the Main Ship Channel boundary with Sandy Hook Channel at point approximately 60 feet westward of RED NUN #4 EBB, and concluding along the eastern boundary of Reach B at approximately 555 feet eastward of RED NUN #18 W/ LIGHT AND BELL EBB.	File 4999 Sheet 1 of 6; 28 Sept, 2, 5, 6, 9, 27 Oct 2020	Irregular	Irregular	30	27.0			

REMARKS:

- All reported depths are relative to the Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.

MAIN SHIP CHANNEL:

Reach A (Chapel Hill North Channel):

- Intermittent shoaling exists in the Left and Right Outside Quarters, along the edge of the channel.
- Spot shoaling exists in the Left and Right Inside Quarters.
- The controlling depth of -26.7 feet MLLW exists in the Right Outside Quarter, at a point approximately 370 feet landward of RED #14 SLACK.

Reach B (Chapel Hill South Channel):

- Much of the shoaling exists in the Right Outside Quarter of this reach, some of which encroaches into Reach C.
- The controlling depth of -20.4 feet MLLW exists in the Right Outside Quarter, at a point approximately 225 feet seaward of RED #10 W/LIGHT & BELL EBB.

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

- Much of the shoaling exists near the southwestern corner of this reach, encroachment from Reach B.
- The controlling depth of -27.0 feet MLLW exists along the northern boundary and towards the eastern corner of this reach, at a point approximately 260 feet eastward (seaward) of RED NUN #18 W/ LIGHT AND BELL EBB.