

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

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DATE 03 March 2023

TO: The Record

FROM: U.S. Army Corps of Engineers
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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 300 feet seaward of GREEN CAN #13 EBB at the channel's bend to the junction with Ambrose Channel.	File 5233/N1/N 3 Sheet 5 – 7 of 7; 25 OCT 2022 & 3,7,8,9,15, 16,23,& 29 NOV 2022	1,000	2.2	30	27.9	27.9	27.7	26.2
Reach B (Chapel Hill South Channel): From the junction with Sandy Hook Channel approximately 1,500 feet seaward of GREEN CAN #3 W/ LIGHT EBB to approximately 300 feet seaward of GREEN CAN #13 EBB at the channel's bend.	File 5233/N1/N 3 Sheet 2 - 5 of 7; 25 OCT 2022 & 3,7,8,9,15, 16,23,& 29 NOV 2022	1,000	2.6	30	29.9	30.3	30.6	20.3
Reach C (Widening at Junction with Sandy Hook Channel): Located eastward of Reach B, commencing along the Main Ship Channel junction with Sandy Hook Channel at approximately 870 feet seaward of RED NUN # 2 FLOOD, extending to its furthest point approximately 3,700 feet eastward of the same buoy and concluding along the eastern boundary of Reach B in the approximate vicinity of RED NUN #4 FLOOD.	File 5233/N1/N 3 Sheet 2 of 7; 25 OCT 2022 & 3,7,8,9,15, 16,23,& 29 NOV 2022	Irregular	Irregular	30	26.3			

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 -26.2 feet MLLW exists in the Right Outside Quarter, at a point approximately 300 feet landward of RED #14 EBB.

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 -20.3 feet MLLW exists in the Right Outside Quarter, at a point approximately 3,695 feet seaward from NUN CAN NUN at the end of the reach.

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 -26.3 feet MLLW exists along the northern boundary and towards the eastern corner of this reach approximately 290 feet eastward (seaward) of RED NUN #18 Light & Bell FLOOD.

