

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

PAGE 1 OF 1 PAGE

DATE 05 March 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)	
<b>Reach A (Chapel Hill North Channel):</b> From approximately 80 feet seaward of RED/GREEN JUNCTION at the channel's bend to the junction with Ambrose Channel.	File 4879D Sheets 3-6 of 6; 20 Nov- 13 Dec 2019	1,000	2.2	30	29.8	30.8	29.1	26.8
<b>Reach B (Chapel Hill South Channel):</b> From the junction with Sandy Hook Channel approximately 800 feet seaward of RED NUN #2 to approximately 80 feet seaward of RED/GREEN JUNCTION at the channel's bend.	File 4879D Sheets 1-3 of 6; 20 Nov- 13 Dec 2019	1,000	2.6	30	30.0	31.6	31.1	20.7
<b>Reach C (Widening at Junction with Sandy Hook Channel):</b> Located eastward of Reach B, commencing along the Main Ship Channel boundary with Sandy Hook Channel at point approximately 655 feet eastward of RED NUN #18, and concluding along the eastern boundary of Reach B at the approximate location of RED NUN #4.	File 4879D Sheet 1 of 6; 20 Nov- 13 Dec 2019	Irregular	Irregular	30	27.8			

**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):**

- Shoaling exists along the channel toe of the Right Outside Quarter of this reach.
- Sporadic shoaling exists in the Left Outside, Right Inside, and Right Outside Quarters of this channel.
- The controlling depth of -26.7 feet MLLW exists approximately 385 feet landward of RED NUN #14 EBB.

**Reach B (Chapel Hill South Channel):**

- Shoaling exists along the channel toe of the Right Outside Quarter for much of this reach.
- The controlling depth of -20.7 feet MLLW exists approximately 300 feet seaward of RED LIGHT W/BELL #10 FLOOD.

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

- A shoal exists in the southwest portion of this reach.
- Shoaling exists along the boundary of the widening in the northern portion of the reach.
- The controlling depth of -27.8 feet MLLW exists along the northern boundary of the reach, approximately 120 feet eastward (seaward) of RED NUN #18 W/BELL FLOOD.

