

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

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DATE 05 September 2017

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, NY – Sandy Hook 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 - East Section Reach: Begins in deep water in New York Harbor approximately 6,200 feet seaward of GREEN #1 W/ LIGHT EBB; and ends approximately 750 feet seaward of GREEN #11 W/ LIGHT & GONG FLOOD.	Map 181 Pgs 3 - 7 of 7; 30 May 2017; 8, 12-19, June 2017	800-2,150	4.5	35	39.4	37.2	37.7	31.7
Reach B - Bayside Reach: Begins approximately 750 feet seaward of GREEN #11 W/ LIGHT & GONG FLOOD; and ends approximately 20 feet landward of GREEN #1 W/ LIGHT FLOOD.	Map 181 Pgs 1 - 3 of 7; 30 May 2017; 8, 12-19, June 2017	800	2.4	35	+7.9	28.6	36.8	30.9

REMARKS:

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

NEW YORK HARBOR – SANDY HOOK CHANNEL

- **Reach A:** Shoaling exists in the Right Outside Quarter along the channel's toe beginning approximately 1,000 feet seaward of RED #4 W/ LIGHT EBB, and continues to a point approximately 1,600 feet landward of RED #6 W/ LIGHT EBB, with a maximum width of approximately 105 feet. Intermittent shoaling exists in the Right Outside Quarter beginning in the approximate vicinity of RED NUN #10 EBB and ending approximately 1,300 feet landward from RED NUN #10 EBB with a maximum width of approximately 250 feet.
- **Reach B:** Shoaling, including areas of positive elevation, exists in the Left Outside Quarter, extending into the Left Inside Quarter of the channel, beginning at a point approximately 330 feet landward of the beginning of the reach. Shoaling continues landward in the Left Outside and Left Inside Quarters having a maximum width of approximately 400 feet, then tapers into the Left Outside Quarter until approximately 850 feet seaward of GREEN #11 W/ LIGHT & GONG. Intermittent shoaling exists in the Left Outside Quarter beginning approximately 100 feet seaward of GREEN/RED JUNCTION TC FLOOD and continuing until the end of the reach, with an approximate maximum width of 140 feet. Shoaling exists across much of the width of the Right Outside Quarter of the channel from approximately 1,400 feet landward from RED #18 W/ BELL FLOOD and continues to the end of the reach, with a maximum width of approximately 145 feet.