

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

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DATE 24 January 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, Ambrose Channel, New York

**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: From approximately 1,640 feet seaward of RED/WHITE "A" W/LIGHT & WHISTLE to approximately 1,680 feet landward of RED #6 W/LIGHT & BELL.	Map 142 Pg 1 - 7 of 17; 31 May 2016 - 27 Sept 2016	2,000	5.1	53	52.6	54.8	54.9	51.0
REACH B: From approximately 1,680 feet landward of RED #6 W/LIGHT & BELL to the first bend in the channel approximately 20 feet seaward of RED #14 W/LIGHT & BELL.	Map 142 Pg 7 - 11 of 17; 31 May 2016 - 27 Sept 2016	2,000	4.2	53	53.3	53.0	52.3	36.9
REACH C: From the first bend in the channel approximately 20 feet seaward of RED #14 W/LIGHT & BELL to approximately 4,500 feet landward of RED #20 W/LIGHT.	Map 142 Pg 11 - 14 of 17; 31 May 2016 - 27 Sept 2016	2,000	2.5	53	51.8	52.9	52.4	47.6
REACH D: From approximately 4,500 feet landward of RED #20 W/LIGHT to approximately 9,700 feet landward of GREEN #23 W/LIGHT, approximately 2,060 feet landward of the Verrazano-Narrows Bridge.	Map 142 Pg 14 - 17 of 17; 31 May 2016 - 27 Sept 2016	2,000	2.9	53	50.4	54.0	54.8	53.4

REMARKS:

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

AMBROSE CHANNEL:

- **REACH A:** Shoaling exists along the channel's toe in the Right Outside Quarter beginning approximately 3,230 feet seaward of RED #4 W/LIGHT and continuing approximately 6,425 feet landward, having a maximum width of approximately 30 feet. In the Left Outside Quarter, shoaling exists along the channel's toe beginning approximately 210 feet landward of GREEN #3 W/LIGHT and continues approximately 105 feet landward.
- **REACH B:** Sporadic shoaling exists along the channel's toe in the Right Outside Quarter beginning approximately 4,400 feet seaward of RED #8 W/LIGHT and continuing landward to the approximate location of RED #10 W/LIGHT, having a maximum width of approximately 60 feet. The controlling depth of -36.9 exists along the toe of the Right Outside Quarter at approximately 1,985 feet landward of RED #8 W/LIGHT EBB. A shoal exists in the Right Inside Quarter, beginning approximately 570 feet seaward of GREEN #11A W/LIGHT and continuing approximately 60 feet landward, having a maximum width of approximately 145 feet.

REMARKS:

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.
- **REACH C:** Shoaling exists along the channel's toe in the Right Outside Quarter throughout much of this entire reach. The controlling depth of - 47.6 exists along the toe of the Right Outside Quarter at approximately 1,400 feet seaward of RED #16 W/LIGHT FLOOD. Shoaling exists in the Right Inside & Right Outside Quarters, beginning approximately 730 feet landward of RED #16 W/LIGHT and continuing approximately 1,050 feet landward. Sporadic spot shoaling exists in the Left Outside Quarter and the Left Inside Quater, beginning at approximately 2,740 feet seaward of the RED-GREEN-RED AC W/LIGHT FLOOD and continues approximately 1,250 feet seaward. Intermittent shoaling exists along the channel's toe in the Left Outside Quarter throughout this entire reach. The controlling depth of -51.8 exists along the toe of the Right Outside Quarter twice, and the locations are at approximately 670 feet and 770 feet seaward of the RED-GREEN-RED AC W/LIGHT FLOOD.
- **REACH D:** Shoaling exists along the channel's toe in the Left Outside Quarter beginning approximately 1,000 feet seaward of GREEN #23 W/LIGHT and continuing approximately 4,125 feet landward, having a maximum width of approximately 75 feet