

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

PAGE 1 OF 2 PAGE

DATE 29 October 2018

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 and New Jersey Harbor, Ambrose 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: From approximately 1,680 feet seaward of RED/WHITE "A" W/LIGHT & WHISTLE to approximately 1,580 feet landward of RED #6 W/LIGHT & BELL.	Map 145 Pg 1 - 7 of 17; 18-31 July 2018 1-29 August 2018	2,000	5.1	53	53.0	54.6	54.7	51.2
REACH B: From approximately 1,580 feet landward of RED #6 W/LIGHT & BELL to the first bend in the channel approximately 65 feet seaward of RED 14 W/LIGHT EBB.	Map 145 Pg 7 - 11 of 17; 18-31 July 2018 1-29 August 2018	2,000	4.2	53	53.5	52.6	51.8	33.0
REACH C: From the first bend in the channel approximately 65 feet seaward of RED 14 W/LT EBB to approximately 500 feet landward of RED 22 W/LIGHT EBB.	Map 145 Pg 12 - 14 of 17; 18-31 July 2018 1-29 August 2018	2,000	2.5	53	51.0	53.2	52.1	46.8
REACH D: From approximately 500 feet landward of RED 22 W/LT EBB to approximately 8,290 feet landward of GREEN #23 W/LIGHT FLOOD, approximately 2,060 feet landward of the Verrazano-Narrows Bridge.	Map 145 Pg 14 - 17 of 17; 18-31 July 2018 1-29 August 2018	2,000	2.9	53	50.5	54.3	55.0	53.8

REMARKS:

- All reported depths are relative to the Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.
- **REACH A:** Shoaling exists along the channel's toe in the Right Outside Quarter beginning approximately 2,380 feet seaward of RED #4 W/LIGHT FLOOD, ending at a point approximately 110 feet seaward of GREEN #3 W/LIGHT FLOOD, having a maximum width of approximately 40 feet. Spot shoaling exists along the channel's toe in the Left Outside Quarter beginning approximately 340 feet seaward of GREEN #3 W/LIGHT FLOOD and ending approximately 670 feet seaward of GREEN #3 W/LIGHT FLOOD with an approximate maximum width of 2 feet. The controlling depth of -51.2 feet MLLW exists along the channel toe in the Right Outside Quarter, at a point approximately 245 feet landward of RED #4 W/LIGHT FLOOD.
- **REACH B:** Intermittent edge shoaling exists in the Right Outside Quarter beginning approximately 3,740 feet landward of the seaward most end of the reach and ending at a point approximately 130 feet seaward of RED 10 W/LT FLOOD, having a maximum width of approximately 70 feet. Spot shoaling exists in the Right Inside Quarter at a point approximately 450 feet seaward of RED 12 W/LT FLOOD, extending approximately 100 feet with an approximate maximum width of 200 feet. Spot shoaling exists approximately 530 feet landward of RED 12 W/LT FLOOD at the approximate center of the Left Inside Quarter having a maximum width of 30 feet. The controlling depth of -33.0 feet MLLW exists at a point along the edge of the Right Outside Quarter approximately 3,620 feet seaward of RED 10 W/LT FLOOD.

REMARKS:**PAGE 2 of 2**

- **REACH C:** Shoaling exists in the Right Inside and Outside Quarters, beginning at a point approximately 705 feet landward of RED 16 W/LT EBB and extending approximately 1,080 feet landward with a maximum approximate width of 330 feet. Intermittent edge shoaling exists in the Right Outside Quarter beginning approximately 495 feet landward of RED 14 W/LT EBB and ending at a point approximately 1,700 feet seaward of the landwardmost end of the reach, having a maximum approximate width of 25 feet. Intermittent edge shoaling exists in the Left Outside Quarter beginning approximately 2,085 feet seaward of GREEN 15 W/LT EBB and ending at a point approximately 980 feet seaward of the landwardmost end of the reach, having a maximum approximate width of 25 feet. Sporadic spot shoaling exists in the Left Outside Quarter between approximately 1,720 to 2,970 feet landward of GREEN LIGHT GONG #17 FLOOD, having a maximum approximate width of 50 feet. The controlling depth of -46.8 feet MLLW exists along the channel toe in the Right Outside Quarter, at a point approximately 1,210 feet seaward of RED 16 W/LT EBB.
- **REACH D:** Edge shoaling exists in the Left Outside Quarter beginning approximately 1,180 feet seaward of GREEN #23 W/LIGHT FLOOD and ending approximately 4,450 feet seaward of the Verrazzano Bridge, having a maximum approximate width of 90 feet. The controlling depth of -50.5 feet MLLW exists in several locations along the edge of the Left Outside Quarter, between a point approximately 5640 feet seaward of the Verrazzano bridge and a point approximately 250 feet further seaward.

