

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

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DATE 14 February 2023

**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)	
<b>REACH A:</b> From approximately 1,550 feet seaward of RW "A" W/LIGHT & WHISTLE EBB to approximately 1,640 feet landward of Green #5 W/LIGHT FLOOD.	File No. 5165/D/N3; Pg 1 – 6 of 16; 31 Mar, 4, 5, 11-13, 18-20 Apr, 1-2, 4, 8, 11, 15-17 Aug 2022	2,000	5.1	53	52.9	55.0	55.4	50.4
<b>REACH B:</b> From approximately 1,640 feet landward of Green #5 W/LIGHT FLOOD to the first bend in the channel at the approximate location of RED #14 W/LIGHT EBB.	File No. 5165/D/N3; Pg 6 - 10 of 16; 31 Mar, 4, 5, 11-13, 18-20 Apr, 1-2, 4, 8, 11, 15-17 Aug 2022	2,000	4.2	53	52.9	52.2	51.6	25.1
<b>REACH C:</b> From the first bend in the channel at the approximate location of RED #14 W/LIGHT EBB to approximately 520 feet seaward of RED #22 W/LIGHT EBB.	File No. 5165/D/N3; Pg 10 - 13 of 16; 31 Mar, 4, 5, 11-13, 18-20 Apr, 1-2, 4, 8, 11, 15-17 Aug 2022	2,000	2.5	53	49.9	52.5	51.4	43.1
<b>REACH D:</b> From approximately 520 feet seaward of RED #22 W/LIGHT EBB to approximately 2,055 feet landward of the Verrazano-Narrows Bridge.	File No. 5165/D/N3; Pg 13 - 16 of 16; 31 Mar, 4, 5, 11-13, 18-20 Apr, 1-2, 4, 8, 11, 15-17 Aug 2022	2,000	2.9	53	49.5	54.4	55.4	52.6

**REMARKS:**

- All reported depths are relative to the Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.
- **REACH A:** Intermittent edge shoaling exists along the channel's toe in the Right Outside Quarter and the Left Outside Quarter of this reach. The controlling depth of -50.4 feet MLLW exists along the channel toe in the Right Outside Quarter, approximately 1,220 feet landward of RED #4 W/LIGHT EBB.
- **REACH B:** Intermittent edge shoaling exists along the channel's toe in the Right Outside Quarter and the Left Outside Quarter of this reach. The controlling depth of -25.1 feet MLLW exists along the edge of the Right Outside Quarter approximately 1,305 feet landward of RED #8 W/LIGHT Slack.
- **REACH C:** Intermittent edge shoaling exists along the channel's toe in the Right Outside Quarter and the Left Outside Quarter of this reach. Sporadic shoaling exists throughout all four quarters of this reach. The controlling depth of -43.1 feet MLLW exists along the channel toe in the Right Outside Quarter approximately 1,000 feet landward of the beginning of this reach.
- **REACH D:** Edge shoaling exists in the Left Outside Quarter of this reach. The controlling depth of -49.5 feet MLLW exists along the edge of the Left Outside Quarter approximately 1,690 feet landward of GREEN #23 W/LIGHT FLOOD.