

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

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DATE 15 September 2021

**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 1,725 feet seaward of RW "A" W/LIGHT & WHISTLE EBB to approximately 1,650 feet landward of RED #6 W/LIGHT EBB.	File No. 5085/D/N3; Pg 1 - 7 of 17; 20 July - 16 August 2021	2,000	5.1	53	52.7	54.7	54.6	50.1
<b>REACH B:</b> From approximately 1,650 feet landward of RED #6 W/LIGHT EBB to the first bend in the channel at the approximate location of RED #14 W/LIGHT & BELL EBB.	File No5085/D/N3; Pg 7 - 11 of 17; 20 July - 16 August 2021	2,000	4.2	53	53.2	52.3	51.7	27.0
<b>REACH C:</b> From the first bend in the channel at the approximate location of RED #14 W/LIGHT & BELL EBB to approximately 490 feet seaward of RED #22 W/LIGHT FLOOD.	File No. 5085/D/N3; Pg 11 - 14 of 17; 20 July - 16 August 2021	2,000	2.5	53	49.8	52.4	51.5	43.9
<b>REACH D:</b> From approximately 490 feet seaward of RED #22 W/LIGHT FLOOD to approximately 2,110 feet landward of the Verrazano-Narrows Bridge.	File No. 5085/D/N3; Pg 14 - 17 of 17; 20 July - 16 August 2021	2,000	2.9	53	49.5	54.1	54.8	52.4

**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 -50.1 feet MLLW exists along the channel toe in the Right Outside Quarter, approximately 125 feet landward of RED #4 W/LIGHT FLOOD.
- **REACH B:** Intermittent edge shoaling exists along the channel's toe in the Right Outside Quarter and the Left Outside Quarter of this reach. Spot shoaling exists in the Right and Left Inside Quarters of this reach, approximately 522 feet seaward of RED #12 W/LIGHT EBB. The controlling depth of -27.0 feet MLLW exists along the edge of the Right Outside Quarter approximately 1,495 feet landward of RED #8 W/LIGHT EBB.
- **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 -43.9 feet MLLW exists along the channel toe in the Right Outside Quarter approximately 935 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 1920 feet landward of GREEN #23 W/LIGHT EBB.