

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

DATE 24 September 2024

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 1575 feet seaward of RW "A" W/LIGHT & WHISTLE FLOOD to approximately 1,615 feet landward of RED #6 W/LIGHT FLOOD.	File No. 5460/D/N4; Pg 12 - 17 of 17; 1-3, 8, 10, 26 & 29-31 July, 1 & 13-16 August, 9-10 Sept 2024	2,000	5.1	53	53.0	54.8	55.1	49.7
REACH B: From approximately 1,615 feet landward of RED #6 W/LIGHT FLOOD to the first bend in the channel at the approximate location of RED #14 W/LIGHT & BELL FLOOD.	File No. 5460/D/N4; Pg 7 - 12 of 17; 1-3, 8, 10, 26 & 29-31 July, 1 & 13-16 August, 9-10 Sept 2024	2,000	4.2	53	52.4	51.7	52.2	23.2
REACH C: From the first bend in the channel at the approximate location of RED #14 W/LIGHT & BELL FLOOD to approximately 580 feet seaward of RED #22 W/LIGHT EBB.	File No. 5460/D/N4; Pg 5 - 7 of 17; 1-3, 8, 10, 26 & 29-31 July, 1 & 13-16 August, 9-10 Sept 2024	2,000	2.5	53	49.6	52.1	51.1	43.2
REACH D: From approximately 580 feet seaward of RED #22 W/LIGHT EBB to approximately 2,120 feet landward of the Verrazano-Narrows Bridge.	File No. 5460/D/N4; Pg 2 - 5 of 17; 1-3, 8, 10, 26 & 29-31 July, 1 & 13-16 August, 9-10 Sept 2024	2,000	2.9	53	48.8	54.4	55.4	51.8

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 -49.7 feet MLLW exists along the channel toe in the Right Outside Quarter in the vicinity of RED #4 W/LIGHT EBB.
- **REACH B:** Intermittent edge shoaling exists along the channel's toe in the Right Outside Quarter of this reach. Spot shoaling exists in the Right and Left Inside Quarters in the vicinity each of RED #12 W/LIGHT FLOOD. The controlling depth of -23.2 feet MLLW exists along the edge of the Right Outside Quarter approximately 1,040 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 -43.2 feet MLLW exists along the channel toe in the Right Outside Quarter approximately 730 feet landward of the beginning of this reach.
- **REACH D:** Edge shoaling exists in the Left Outside Quarter of this reach. The controlling depths of -48.8 feet MLLW exist in several locations starting in an area 520 feet landward of GREEN #23 W/LIGHT EBB in the Left Outside Quarter and extends 1470 feet landward.