

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER**

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DATE 15 October 2015

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
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
REACH A: From approximately 1,630 feet seaward of RADAR TRANSPONDER BEACON "A" W/LIGHT to approximately 1,630 feet landward of RED #6 W/LIGHT.	Map 141 Pg 1-7 of 17; 1, 4, 5, 7, 11, 12, 14, 15, 18, 20, 21, 26 - 29 May 2015, 3 June 2015	2000	5.1	53	52.7	54.1	54.6	51.4
REACH B: From approximately 1,630 feet landward of RED #6 W/LIGHT to the first bend in the channel approximately 20 feet seaward of RED #14 W/LIGHT.	Map 141 Pg 7-11 of 17; 1, 4, 5, 7, 11, 12, 14, 15, 18, 20, 21, 26 - 29 May 2015, 3 June 2015	2000	4.2	53	54.1	53.0	53.0	43.2
REACH C: From the first bend in the channel approximately 20 feet seaward of RED #14 W/LIGHT to approximately 360 feet seaward of RED #22 W/LIGHT.	Map 141 Pg 11-14 of 17; 1, 4, 5, 7, 11, 12, 14, 15, 18, 20, 21, 26 - 29 May 2015, 3 June 2015	2000	2.6	53	52.1	53.5	52.8	49.6
REACH D: From approximately 360 feet seaward of RED #22 W/LIGHT to approximately 9,800 feet landward of GREEN #23 W/LIGHT, approximately 2,060 feet landward of the Verrazano-Narrows Bridge.	Map 141 Pg 14-17 of 17; 1, 4, 5, 7, 11, 12, 14, 15, 18, 20, 21, 26 - 29 May 2015, 3 June 2015	2000	2.9	53	50.6	54.6	54.7	53.5

REMARKS:

- All depths are relative to Mean Lower Low Water (MLLW).
- The channel reach lengths are in nautical miles.

AMBROSE CHANNEL:

- **REACH A:** Minor edge shoaling exists in the Right Outside Quarter beginning approximately 2,100 feet seaward of RED #4 W/LIGHT, and extends landward approximately 4,940 feet. The maximum shoal width within these parameters is approximately 25 feet. The controlling depth in the Left Outside Quarter occurs along the edge of the channel.
- **REACH B:** Minor edge shoaling exists in the Right Outside Quarter beginning approximately 2,975 feet seaward of RED #8 W/LIGHT, and extends sporadically landward approximately 8,660 feet until approximately 200 feet seaward of RED #10 W/LIGHT. The maximum shoal width within these parameters is approximately 45 feet.
- **REACH C:** Minor edge shoaling exists in the Right Outside Quarter beginning approximately 415 feet landward of RED #14 W/LIGHT, and extends landward approximately 1,600 feet until approximately 350 feet seaward of RED #16 W/LIGHT. The maximum shoal width within these parameters is approximately 30 feet. The controlling depth in the Left Outside Quarter occurs along the edge of the channel.
- **REACH D:** Minor edge shoaling exists in the Left Outside Quarter beginning approximately 500 feet seaward of GREEN #23 W/LIGHT, and extends landward approximately 3,700 feet. The maximum shoal width within these parameters is approximately 75 feet.

