

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

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DATE 06 November 2017

**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 1,640 feet seaward of RED/WHITE "A" W/LIGHT & WHISTLE to approximately 1,680 feet landward of RED #6 W/LIGHT & BELL.   | Map 143<br>Pg 1 - 7 of 17;<br>10 July 2017-<br>23 August 2017   | 2,000              | 5.1             | 53           | 53.0                        | 54.6                       | 54.7                        | 51.0                         |
| <b>REACH B:</b> From approximately 1,680 feet landward of RED #6 W/LIGHT & BELL to the first bend in the channel approximately 20 feet seaward of RED #14 W/LIGHT & BELL.                               | Map 143<br>Pg 7 - 11 of 17;<br>10 July 2017-<br>23 August 2017  | 2,000              | 4.2             | 53           | 53.5                        | 52.6                       | 51.8                        | 33.0                         |
| <b>REACH C:</b> From the first bend in the channel approximately 20 feet seaward of RED #14 W/LIGHT & BELL to approximately 4,500 feet landward of RED #20 W/LIGHT.                                     | Map 143<br>Pg 11 - 14 of 17;<br>10 July 2017-<br>23 August 2017 | 2,000              | 2.5             | 53           | 51.0                        | 53.2                       | 52.1                        | 46.6                         |
| <b>REACH D:</b> From approximately 4,500 feet landward of RED #20 W/LIGHT to approximately 9,700 feet landward of GREEN #23 W/LIGHT, approximately 2,060 feet landward of the Verrazano-Narrows Bridge. | Map 143<br>Pg 14 - 17 of 17;<br>10 July 2017-<br>23 August 2017 | 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.

**AMBROSE CHANNEL:**

- **REACH A:** Edge shoaling, no wider than 65 feet exists in the Right Outside Quarter of the channel, beginning approximately 3,500 feet seaward of RED #4 W/ LIGHT FLOOD and continuing until approximately 850 feet landward of RED #6 W/ LIGHT & BELL FLOOD.
- **REACH B:** Edge shoaling, with a maximum width of approximately 85 feet exists in the Right Outside Quarter of the channel, beginning approximately 3,000 feet landward of the beginning of the reach and continuing until approximately 85 feet seaward of RED #10 W/ LIGHT EBB. The controlling depth of -33.0 feet MLLW exists along the toe of the channel in the Right Outside Quarter, approximately 2,355 feet landward of RED #8 W/ LIGHT EBB. Small sporadic shoals exist in the Right Inside Quarter and Left Inside and Outside Quarters of the channel, beginning in the approximate vicinity of GREEN #9 W/ LIGHT EBB and ending approximately 450 feet seaward of GREEN #11A W/ LIGHT EBB.

- **REACH C:** Edge shoaling exists in the Left and Right Outside Quarter of the channel, beginning approximately 910 feet and 430 feet landward of the beginning of the reach, respectively, and continuing sporadically until the end of the reach, with a maximum width of approximately 70 feet. The controlling depth of -46.6 feet MLLW exists along the toe of the channel in the Right Outside Quarter approximately 1,050 feet landward of RED #14 W/ Light & BELL EBB. Shoaling exists in the Right Inside and Right Outside Quarters of the channel, beginning approximately 675 feet landward of RED #16 W /LIGHT EBB and continuing until approximately 900 feet seaward of RED #18 W/ LIGHT AND BELL EBB.
- **REACH D:** Edge shoaling, with a maximum width of 100 feet exists in the Left Outside Quarter of the channel, beginning approximately 1,175 feet seaward of GREEN #23 W/ LIGHT FLOOD and continuing until approximately 3,050 feet landward of the same.