

**REPORT OF CHANNEL CONDITIONS**  
**400 FEET WIDE OR GREATER**  
*(ER 1130-2-306)*

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**DATE**            11 August 2014

**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) |                             |                            |                             |                              |
| <b>REACH A:</b> From the channel entrance in the Atlantic Ocean to approximately 1,635 feet landward of GREEN #5 W/LT FLOOD.                            | Map 140<br>Pg 1-7 of 17; 24 April & 2, 3, 5-8, 12, 19-20 May 2014   | 2000               | 5.1             | 53           | 53.0                        | 54.8                       | 54.1                        | 51.6                         |
| <b>REACH B:</b> From approximately 1,635 feet landward of GREEN #5 W/LT FLOOD to approximately 10 feet seaward of RED #14 W/LT at channel's first bend. | Map 140<br>Pg 7-12 of 17; 24 April & 2, 3, 5-8, 12, 19-20 May 2014  | 2000               | 4.2             | 53           | 54.5                        | 53.6                       | 53.6                        | 46.8                         |
| <b>REACH C:</b> From channel's first bend approximately 10 feet seaward of RED #14 W/LT to approximately 390 feet seaward of RED #22 W/LT.              | Map 140<br>Pg 11-14 of 17; 24 April & 2, 3, 5-8, 12, 19-20 May 2014 | 2000               | 2.6             | 53           | 52.5                        | 53.3                       | 54.4                        | 51.0                         |
| <b>REACH D:</b> From approximately 390 feet seaward of RED #22 W/LT to approximately 2,070 feet landward of the Verrazano Narrows Bridge.               | Map 140<br>Pg 14-17 of 17; 24 April & 2, 3, 5-8, 12, 19-20 May 2014 | 2000               | 2.9             | 53           | 50.9                        | 54.2                       | 54.9                        | 54.0                         |

**REMARKS:**

- All depths in Mean Lower Low Water (MLLW).
- Channel length is in nautical miles.

**AMBROSE CHANNEL:**

- **REACH A:** Sporadic edge shoaling exists in the Right Outside Quarter beginning approximately 4,765 feet seaward of RED #4 W/LIGHT FLOOD, and extends landward approximately 7,545 feet. The maximum shoal width within these parameters is approximately 30 feet.
- **REACH B:** Sporadic edge shoaling exists in the Right Outside Quarter beginning approximately 2,800 feet landward of the start of the reach, and extends landward to a point approximately 20 feet seaward of RED 10 W/LT FLOOD. The maximum shoal width within these parameters is approximately 45 feet.
- **REACH C:** Sporadic edge shoaling exists in the Left Outside Quarter along the entire length of this reach. The maximum shoal width within these parameters is approximately 20 feet. Sporadic edge shoaling also exists in the Right Outside Quarter beginning approximately 460 feet landward of the start of this reach and extends to a point approximately 2,250 feet landward of RED #20 W/LIGHT EBB. The maximum shoal width within these parameters is approximately 40 feet.
- **REACH D:** Sporadic edge shoaling exists in the Left Outside Quarter beginning approximately 6,925 feet landward of the start of the reach and extends landward to a point approximately 4,470 feet seaward of the Verrazano Narrows Bridge. The maximum shoal width within these parameters is approximately 65 feet. Sporadic edge shoaling exists in the Right Outside Quarter beginning approximately 1,315 feet landward of RED #22 W/LIGHT FLOOD and extending landward approximately 2,430 feet.