

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

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**DATE** 22 December 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:**  
Bay Ridge and Red Hook Channels, 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> Bay Ridge Channel - From approximately RED #2 W/LIGHT EBB to the first bend in the channel, a point located approximately 910 feet seaward of GREEN #5 W/ LIGHT & BELL FLOOD.           | Request No. 5119/D/N1/N3; Pg 1 - 2 of 4; 09, 17, 18, 22 Nov 2021 | 1,200              | 1.02            | 40           | 40.6                        | 40.9                       | 40.6                        | 36.7                         |
| <b>Reach B:</b> Bay Ridge Channel - From the first bend in the channel, a point located approximately 910 feet seaward of GREEN #5 W/ LIGHT & BELL FLOOD, to approximately GREEN #9 LIGHT W/BELL FLOOD. | Request No. 5119/D/N1/N3; Pg 2 - 3 of 4; 09, 17, 18, 22 Nov 2021 | 1,800 - 1,950      | 1.5             | 40           | 18.3                        | 24.0                       | 30.2                        | 24.2                         |
| <b>Reach C:</b> Bay Ridge Channel - Gowanus Creek, From approximately GREEN #9 LIGHT W/BELL FLOOD to a point approximately 3,410 feet landward of GREEN #9 LIGHT W/BELL FLOOD, in Gowanus Creek.        | Request No. 5119/D/N1/N3; Pg 3 of 4; 09, 17, 18, 22 Nov 2021     | 500 - 1,750        | 0.52            | 40           | 25.1                        | 31.7                       | 34.1                        | 33.6                         |
| <b>Reach D:</b> Red Hook Channel - From approximately GREEN #9 LIGHT W/BELL FLOOD, to a point approximately 1,890 feet landward of GREEN #11 W/ LIGHT FLOOD.  | Request No. 5119/D/N1/N3; Pg 3 - 4 of 4; 09, 17, 18, 22 Nov 2021 | 1,200 - 2,100      | 0.89            | 40           | 20.7                        | 29.7                       | 38.0                        | 28.8                         |

**REMARKS:**

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

**BAY RIDGE AND RED HOOK CHANNELS:**

- **Reach A:** Majority of shoaling exists along the channel's toe in the Right Outside Quarter of this reach, extending into Reach B. The controlling depth of -36.7 feet MLLW exists in the Right Outside Quarter at approximately 1,225 feet, 1,315 feet, 1,385 feet, and 1,445 feet landward of GREEN #3 W/LIGHT&BELL FLOOD.
- **Reach B:** Shoaling from Reach A continues into the Right Outside Quarter and extends across the entire width of the channel, into Reach C. The controlling depth of -18.3 feet MLLW exists in the Left Outside Quarter at approximately 1,530 feet, 1,440 feet, 1,395 feet, and 1,255 feet seaward of GREEN #9 LIGHT W/BELL FLOOD.
- **Reach C:** Shoaling exists throughout the majority of this reach. The controlling depth of -25.1 feet MLLW exists in the Left Outside Quarter at approximately 135 feet southeast of GREEN #9 LIGHT W/BELL FLOOD.
- **Reach D:** Sporadic shoaling exists throughout this reach. Edge shoaling exists in the Right Outside Quarter. Shoaling exists in the Left Outside Quarter and the Left Inside Quarter. The controlling depth of -20.7 feet MLLW exists in the Left Outside Quarter at approximately 180 feet seaward of GREEN #9 LIGHT W/BELL FLOOD.