

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

PAGE 1 **OF** 1

DATE 22 May 2020

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)				
Reach A: Bay Ridge Channel - From approximately 40 feet landward of RED W/LIGHT #2 EBB to the first bend in the channel, a point located approximately 280 feet seaward of GREEN GONG #5 W/ LIGHT EBB.	File 4910/D/N1/N2 Pg 1 & 2 of 4; 30 Jan 2020 and 11, 12, 18, 25 Feb 2020	1,200	1.02	40	40.6	41.4	40.9	36.6
Reach B: Bay Ridge Channel - From the first bend in the channel, a point located approximately 280 feet seaward of GREEN GONG #5 W/ LIGHT EBB, to a point approximately 65 feet seaward of GREEN BELL #9 W/LIGHT EBB.	File 4910/D/N1/N2 Pg 2 & 3 of 4; 30 Jan 2020 and 11, 12, 18, 25 Feb 2020	1,800 – 1,950	1.5	40	18.6	25.2	30.4	24.9
Reach C: Bay Ridge Channel – Gowanus Creek, From a point approximately 65 feet seaward of GREEN BELL #9 W/LIGHT EBB to a point approximately 3,110 feet landward of GREEN BELL #9 W/LIGHT EBB, in Gowanus Creek.	File 4910/D/N1/N2 Pg 3 of 4; 30 Jan 2020 and 11, 12, 18, 25 Feb 2020	500 - 1,750	0.52	40	21.1	22.3	22.5	19.9
Reach D: Red Hook Channel - From a point approximately 65 feet seaward of GREEN BELL #9 W/LIGHT EBB, to a point approximately 2,255 feet landward of GREEN #11 W/ LIGHT & GONG EBB.	File 4910/D/N1/N2 Pg 3 & 4 of 4; 30 Jan 2020 and 11, 12, 18, 25 Feb 2020	1,200 – 2,100	0.89	40	21.1	30.1	38.9	29.0

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:** Edge shoaling exists in the Right Outside Quarter of this reach, extending into Reach B. The controlling depth of -36.6 feet MLLW exists in the Right Outside Quarter at approximately 1,010 feet seaward of the end of this reach.
- **Reach B:** Edge shoaling from Reach A continues in the Right Outside Quarter and then extending across the entire width of the channel. The controlling depth of -18.6 feet MLLW exists in the Left Outside Quarter at approximately 1,015 feet seaward of the end of this reach.
- **Reach C:** Shoaling exists throughout the majority of this reach. The controlling depth of -19.9 feet MLLW exists in the Right Outside Quarter at approximately 370 feet seaward of the end of this reach.
- **Reach D:** Edge shoaling exists in the Right Outside Quarter. Shoaling exists in the Left Outside Quarter and the Left Inside Quarter. Spot shoals exists throughout this reach. The controlling depth of -21.1 feet MLLW exists in the Left Outside Quarter at approximately 230 feet seaward of the beginning of this reach.