

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

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DATE 21 March 2023

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 RED #2 W/LIGHT FLOOD to the first bend in the channel, a point located approximately 315 feet seaward of GREEN #5 W/ LIGHT & BELL EBB.	Request No. 5250/N1; Pg 2 – 3 of 6; 21, 22, 27, 28 December 2022	1,200	1.02	40	40.8	41.5	40.9	36.7
Reach B: Bay Ridge Channel - From the first bend in the channel, a point located approximately 315 feet seaward of GREEN #5 W/ LIGHT & BELL EBB, to approximately GREEN #9 W/LIGHT FLOOD.	Request No. 5250/N1; Pg 3 – 5 of 6; 21, 22, 27, 28 December 2022	1,800 – 1,950	1.50	40	18.1	24.7	30.0	24.1
Reach C: Bay Ridge Channel – Gowanus Creek, From approximately GREEN #9 W/LIGHT FLOOD to a point approximately 3,410 feet landward of GREEN #9 LIGHT W/BELL FLOOD, in Gowanus Creek.	Request No. 5250/N1; Pg 5 of 6; 21, 22, 27, 28 December 2022	500 - 1,750	0.52	40	24.7	32.0	34.2	33.0
Reach D: Red Hook Channel - From approximately GREEN #9 LIGHT W/BELL FLOOD, to a point approximately 2,440 feet landward of GREEN #11 W/ LIGHT FLOOD.	Request No. 5250/N1; Pg 5 – 6 of 6; 21, 22, 27, 28 December 2022	1,200 – 2,100	0.89	40	20.8	29.7	38.0	29.0

REMARKS:

- All reported depths are relative to the 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 1,255 feet landward of GREEN #3 W/LIGHT&GONG FLOOD.
- **Reach B:** Shoaling from Reach A continues into the Right Outside Quarter of this reach, extends across the entire width of the channel, and continues into Reach C. The controlling depth of -18.1 feet MLLW exists in the Left Outside Quarter at approximately 2,715 feet, and 2,890 feet landward of GREEN #7 W/LIGHT FLOOD.
- **Reach C:** Shoaling exists throughout the majority of this reach. The controlling depth of -24.7 feet MLLW exists in the Left Outside Quarter at approximately 70 feet southwest of GREEN #9 W/LIGHT 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 -20.8 feet MLLW exists in the Left Outside Quarter at approximately 225 feet and 635 feet landward of GREEN #9 W/LIGHT FLOOD.