

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

PAGE 1 **OF** 1

DATE 01 May 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:
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 a point located approximately 1,040 feet landward of RED #2 W/LIGHT to a point located approximately 960 feet seaward of GREEN #5 W/LIGHT & BELL.	Map 144 Pg 1 & 2 of 4; 23,28 February, 1,3-8 March 2017	1,200	1.02	40	40.7	41.5	41.2	36.5
Reach B: Bay Ridge Channel - From a point located approximately 960 feet seaward of GREEN #5 W/LIGHT & BELL to a point approximately at GREEN #9 W/LIGHT.	Map 144 Pg 2 & 3 of 4; 23,28 February, 1,3-8 March 2017	1,750 – 1,959 – 962	1.78	40	19.3	26.1	31.1	25.8
Reach C: Bay Ridge Channel – Gowanus Creek, From a point approximately at GREEN #9 W/LIGHT EBB to a point approximately 3,131 feet landward of GREEN #9 W/LIGHT EBB, in Gowanus Creek.	Map 144 Pg. 3 & 4 of 4; 23,28 February, 1,3-8 March 2017	962 – 719 – 495	0.29	40	22.0	23.8	23.8	19.6
Reach D: Red Hook Channel - From a point located approximately 15 feet landward (north) of GREEN #9 W/LIGHT to a point approximately 2,240 feet landward of GREEN #11 W/LIGHT.	Map 144 Pg 3 & 4 of 4; 23,28 February, 1,3-8 March 2017	1,200 – 2,087	0.89	40	21.5	31.6	38.4	29.4

REMARKS:

- All depths are relative to Mean Lower Low Water Datum.
- Channel reach lengths are in nautical miles.
 - **Reach A:** Shoals exist in the Right Outside Quarter along the channel's toe beginning approximately at GREEN #3 W/LIGHT and continues landward to the end of the reach, having a maximum width of approximately 90 feet wide.
 - **Reach B:** Shoaling exists throughout the majority of this reach, but project depth is available approximately 270 feet to approximately 1,900 feet landward from the beginning of the reach from the Left Outside Quarter to the Left Inside Quarter and Right Inside Quarter to Right Outside Quarter. Project depth also exists in the Right Inside Quarter and Right Outside Quarter beginning approximately 75 feet landward of GREEN CAN#7 and continues landward approximately 1,600 feet.
 - **Reach C:** Shoaling exists across all four quarters. Project depth is available beginning in the Left Outside Quarter approximately 525 feet landward of GREEN #9 W/LIGHT and continues landward for approximately 900 feet.
 - **Reach D:** Shoaling exists in the Left Outside Quarter extending into the Left Inside Quarter of this reach, starting from the beginning of the reach to approximately 1000 feet landward of GREEN#11 W/LIGHT. Additional shoaling exist along the toe of the channel in the Right Outside Quarter for the entire length of the reach, having a maximum width of approximately 190 feet.