

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER**

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DATE 7 October 2015

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 95 feet landward of RED #2 W/LIGHT to a point located approximately 335 feet seaward of GREEN #5 W/LIGHT & BELL.	Map 142 Pg 1 & 2 of 4; 29 January, 12, 17, 23 & 26 February, 24 March 2015	1,200	1.01	40	40.3	41.5	40.8	36.4
Reach B: Bay Ridge Channel - From a point located approximately 335 feet seaward of GREEN #5 W/LIGHT & BELL to a point approximately 1,780 feet landward of GREEN #9 W/LIGHT in the direction of Gowanus Creek.	Map 142 Pg 2 & 3 of 4; 29 January, 12, 17, 23 & 26 February, 24 March 2015	1,750 – 1,960 – 960	1.74	40	19.7	24.1	23.5	22.9
Reach C: Bay Ridge Channel – Gowanus Creek, From a point approximately 1,780 feet landward of GREEN #9 W/LIGHT to a point approximately 3,400 feet landward of said buoy, in Gowanus Creek.	Map 142 Pg 3 of 4; 29 January, 12, 17, 23 & 26 February, 24 March 2015	960 – 465	0.28	40	22.5	24.5	19.2	19.3
Reach D: Red Hook Channel - From a point located approximately 55 feet landward (north) of GREEN #9 W/LIGHT to a point approximately 5,290 feet landward of said buoy.	Map 142 Pg 3 & 4 of 4; 29 January, 12, 17, 23 & 26 February, 24 March 2015	1,200 – 2,100	0.90	40	21.6	32.4	37.9	28.6

REMARKS:

- All reported depths are relative to Mean Lower Low Water Datum.
- Channel reach lengths are in nautical miles.
- **Reach A:** A few spot shoals exist in the Right Outside Quarter of the reach, between buoys RED #2 W/LIGHT and GREEN #3 W/LIGHT. Additional shoaling exists along the channel's toe in the Right Outside Quarter, beginning approximately 3,420 feet landward of RED #2 W/LIGHT and extending approximately 3,000 feet landward to the end of the reach. At its maximum width the shoal is approximately 75 feet wide.
- **Reach B:** Shoaling exists throughout the majority of this reach, but project depth is available in approximately 360 feet to approximately 1,990 feet of the entrance of the reach from the Left Outside to the Left Inside, Right Inside Quarters and the left side of the Right Outside Quarter. There are also some other areas of project depth along the toe of the channel in the Left Outside Quarter of the reach, commencing approximately 1,550 feet landward of GREEN #5 w/LIGHT & BELL and continuing approximately 650 feet landward. Project depth also exists in two areas of the right half of the reach, just across from GREEN CAN #7 and proceeding landward approximately 2,000 feet.
- **Reach C:** Shoaling exists across all four quarters of the channel of this reach.
- **Reach D:** Shoaling exists in the Left Outside Quarter extending into the Left Inside Quarter of this reach, commencing from the beginning of the reach and extends landward approximately 4,170 feet. There are also spot shoals in the Left Inside, Right Inside and Right Outside Quarters of this reach. Additional shoaling exists along the toe of the channel in the Right Outside Quarter for the entire length of the reach.