

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-306)**

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DATE March 5, 2012

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 (Narrows to Bay Ridge Avenue) Beginning from junction of Anchorage Channel and Bay Ridge Channel to a point located approximately 4,000 feet landward of GREEN #3 BELL.	Map 137 Pg 1 & 2 of 4; 21,22 Nov 2011; 22,27 Dec 2011	1,200	1.01	40	41.3	41.9	41.9	36.6
Reach B: Bay Ridge Channel (Bay Ridge Avenue to 3 mile point) From point located approximately 4,000 feet landward of GREEN #3 BELL to a point located approximately at GREEN #9 BELL.	Map 137 Pg 1 thru 3 of 4; 21,22 Nov 2011; 22,27 Dec 2011	1,750 – 1,970	1.54	40	21.0	27.7	32.8	25.8
Reach C: Bay Ridge Channel (3 mile point to Gowanus Creek) From a point located approximately at GREEN #9 BELL; to 3100 feet landward in the direction of Gowanus Creek.	Map 137 Pg 3 of 4; 21,22 Nov 2011; 22,27 Dec 2011	1,970 - 500	0.50	40	24.6	26.8	26.9	19.4
Reach D: Red Hook Channel (3 mile point to 4 mile point) From a point located approximately at GREEN #9 BELL to a point approximately 2300 feet landward of GREEN #11 BELL.	Map 137 Pg 3 & 4 of 4; 21,22 Nov 2011; 22,27 Dec 2011	1,200 – 2,100	0.90	40	22.1	34.4	39.1	28.6

REMARKS:

- All depths in MLLW
- Channel length is in nautical miles.
 - **Reach A:** Shoaling exists in Right Outside Quarter beginning approximately 100ft seaward of GREEN #3 BELL and extending approximately 2380ft landward. At its maximum width the shoal is approximately 60ft wide. Project depth is attainable at all other areas of the reach.
 - **Reach B:** Shoaling exists throughout most of this Reach. Project depth is available in all quarters of the reach beginning approximately 320ft seaward of GREEN #5 BELL and extends approximately 1980ft landward in the Right Inside Quarter. Project depth is also available beginning approximately 60ft seaward of GREEN #17 CAN and extends approximately 1740ft landward in the Right Outside Quarter and Right Inside Quarter of this reach.
 - **Reach C:** Shoaling exists across all four quarters of the channel for the majority of this reach. In the Left Inside Quarter of the reach, project depth is available at approximately 150ft landward into the reach and has a length approximately 1060ft landward and extends across the reach's width in some areas.
 - **Reach D:** Shoaling exists in the Left Outside Quarter of this reach beginning approximately 780ft seaward of GREEN #11 BELL and extending landward approximately 4,180ft. Shoaling exists in the Left Inside Quarter beginning approximately 520ft seaward of GREEN #11 BELL and extending approximately 1900ft landward. The Left Inside and Right Inside Quarters have shoaling beginning approximately 620ft landward of GREEN #11 BELL and extending approximately 240ft landward. Shoaling is also present along the Right Outside Toe Line.