

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

**PAGE** 1 **OF** 1

**DATE** May 29, 2013

**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)				
<b>Reach A:</b> Bay Ridge Channel (Narrows to Bay Ridge Avenue) Beginning from junction of Anchorage Channel and Bay Ridge Channel to a point located approximately 200 feet seaward of GREEN BELL W/ LIGHT #5.	Map 138 Pg 1 & 2 of 4; 21-29 March 2013	1,200	1.01	40	40.9	41.5	41.8	36.4
<b>Reach B:</b> Bay Ridge Channel (Bay Ridge Avenue to 3 mile point) From point located approximately 200 feet seaward of GREEN BELL W/ LIGHT #5 to a point approximately 75 feet landward of GREEN BELL W/ LIGHT #9.	Map 138 Pg 1 thru 3 of 4; 21-29 March 2013	1,750 – 1,970	1.54	40	20.5	26.0	26.0	24.4
<b>Reach C:</b> Bay Ridge Channel (3 mile point to Gowanus Creek) From a point located approximately 1,830 feet east of GREEN BELL W/ LIGHT #9; to 1,615 feet landward in the direction of Gowanus Creek.	Map 138 Pg 3 & 4 of 4; 21-29 March 2013	1,970 - 500	0.26	40	23.6	25.9	26.0	19.9
<b>Reach D:</b> Red Hook Channel (3 mile point to 4 mile point) From a point located approximately 75 feet landward of GREEN BELL W/ LIGHT #9 to a point approximately 2300 feet landward of GREEN BELL W/ LIGHT #11.	Map 138 Pg 3 & 4 of 4; 21-29 March 2013	1,200 – 2,100	0.90	40	21.9	32.6	38.8	29.3

**REMARKS:**

- All depths in Mean Lower Low Water. Project originally authorized to Mean Low Water.
- Channel length is in nautical miles.
  - **Reach A:** Two small shoals exist in the Right Outside Quarter of the reach. The first begins approximately 2,335 ft seaward of GREEN BELL W/ LIGHT #3 and extends landward approximately 55 ft landward and has a maximum width of approximately 35 ft. The second shoal begins approximately 1,650 ft seaward of GREEN BELL W/ LIGHT #3 and extends landward approximately 270 ft with a maximum width of approximately 15 ft. Shoaling also exists in Right Outside Quarter beginning approximately 205ft seaward of GREEN BELL W/ LIGHT #3 and extending approximately 2,565 ft landward to the end of the reach. At its maximum width the shoal is approximately 90ft wide. Project depth is available at all other areas of the reach.
  - **Reach B:** Shoaling exists throughout the majority of this Reach.
  - **Reach C:** Shoaling exists across all four quarters of the channel of this reach.
  - **Reach D:** Shoaling exists in the Left Outside Quarter and into the Left Inside Quarter of this reach beginning approximately 75 ft landward of GREEN BELL W/ LIGHT #9 and extends landward approximately 4,190 ft. There is a shoal in the Left Inside and Right Inside Quarter beginning approximately 540 ft landward of GREEN BELL W/ LIGHT #11 and extends approximately 265 ft landward with a width of approximately 115 ft. Shoaling is also present along the Right Outside Toe Line.