

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-3165)

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DATE: June 2, 2008

TO: The Record

FROM: U.S. Army Corps of Engineers
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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 (channel mile points 0 - 1) Begins at Anchorage Channel; Ends at Bay Ridge Ave (approx: 2,000 ft south of Green #5)	Map 133 Pg 1 of 4 14 Feb - 29 Apr 2008	1,200	0.87	40	42.1	41.1	41.1	36.7
Reach B: Bay Ridge Channel (channel mile points 1 - 3) Begins at Bay Ridge Ave (approx: 2,000 ft south of Green #5); Ends at Red Hook Channel (Green #9)	Map 133 Pg 2 of 4 14 Feb - 29 Apr 2008	1,200- 1,750	1.74	40	21.1	29.2	32.3	25.0
Reach C: Bay Ridge Channel (Gowanus Bay Section) Begins at the junction of Bay Ridge Channel and Red Hook Channel; Ends at Gowanus Creek in line of 28 th Street	Map 133 Pg 3 of 4 14 Feb - 29 Apr 2008	1,600- 480	0.33	40	25.0	27.6	27.5	25.8
Reach D: Red Hook Channel (channel mile points 3 - 4) Begins at the end of Bay Ridge Channel (Green #9); Ends at Buttermilk Channel (2,150 ft north of Green #11)	Map 133 Pg 4 of 4 14 Feb - 29 Apr 2008	1,200	0.87	40	22.7	34.9	38.1	29.6

REMARKS:

- All depths in MLW.
- Channel length is in nautical miles.
- **Reach A:** - There is approximately 100 ft. wide continuous shoaling on the east edge of the right outside quarter of the channel.
 - Several spot shoals exist within 200 ft from the east channel limit in the initial 2,200 ft length of the right outside quarter.
- **Reach B:** Shoaling exists across the entire width of the channel in the majority of Reach B.
- **Reach C:** Shoaling exists in virtually all of Reach C
- **Reach D:** - Shoaling continuing from Reach C covers the left outside quarter and extends approx. 120 ft into the left inside quarter for most of this reach.
 - Continuous shoaling, maximum 200 ft wide, exists in the right outside quarter along the entire length of the eastern channel limit.
 - Several spot shoals, with approx 100 to 200 ft diameter, exist across the entire channel section in the area beginning 2,000 ft south of the northernmost channel limit.