

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

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DATE: 12 April 2016

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:
New York Harbor, NY - Red Hook Flats Anchorage

**MINIMUM DEPTHS IN EACH ¼ WIDTH OF
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
Reach A: From a point approximately 1,980 feet seaward of GREEN #3 GONG W/LIGHT EBB, to a point approximately 25 feet landward of RED NUN #28 BUOY EBB.	Map 112; Pg 3 of 3; 9, 10, 14, 16, 29, 30 Dec 2015; 4, 7, 8, 11, 21, 22 Jan 2016 & 2 Feb 2016	0 - 3,060	0.39	45	44.6	45.0	44.8	44.1
Reach B: From a point approximately 25 feet landward of RED NUN #28 BUOY EBB, to a point approximately 435 feet landward of RED #30 W/BELL AND LIGHT EBB and connecting to the opposite limit of the channel at a point approximately 290 feet landward of GREEN #5 BUOY W/BELL EBB.	Map 112; Pgs 2 & 3 of 3; 9, 10, 14, 16, 29, 30 Dec 2015; 4, 7, 8, 11, 21, 22 Jan 2016 & 2 Feb 2016	3,060 - 4,620	0.51	40	43.2	39.6	38.4	39.3
Reach C: From a point approximately 435 feet landward of RED #30 W/BELL AND LIGHT EBB, to the approximate location of RED LIGHT W/BELL #32 FLOOD and a point approximately 2,030 feet landward of the same buoy on the opposite side of the channel.	Map 112; Pgs 1 & 2 of 3; 9, 10, 14, 16, 29, 30 Dec 2015; 4, 7, 8, 11, 21, 22 Jan 2016 & 2 Feb 2016	4,620 - 3,310	1.51	35	41.0	35.7	33.5	25.3

REMARKS:

- All reported depths are relative to Mean Lower Low Water (MLLW) datum
- Channel reach lengths are in nautical miles

RED HOOK FLATS ANCHORAGE:

- **Reach A:** Shoaling exists along the channel's toe in the Right Outside Quarter beginning at a point approximately 590 feet seaward of GREEN #3 GONG W/LIGHT EBB and extends to a point approximately 560 feet landward of the same. Maximum width within these parameters is approximately 80 feet. Shoaling also exists along a portion of the reach limit between Reach A and Reach B in the Right Outside and Right Inside Quarters from a point approximately 2,670 feet landward of GREEN #3 GONG W/LIGHT EBB and extends landward approximately 130 feet to the end of Reach A. Some spot shoaling exists in approximately the last 180 feet of the Left Outside Quarter of this reach.
- **Reach B:** Spot shoaling exists in approximately the last 1,730 feet of the Left Inside, Right Inside, and Right Outside Quarters of this reach. Shoaling also exists along much of the reach limit between Reach B and Reach C in the Right Outside and Right Inside Quarters for as much as approximately the last 75 feet of this reach.
- **Reach C:** Shoaling exists along the toe of the Right Outside Quarter (the limit between Red Hook Flats Anchorage and Bay Ridge Channel) beginning at a point approximately 635 feet seaward of YELLOW "C" BUOY W/LIGHT EBB and extends approximately 635 feet landward having a maximum width of approximately 765 feet. Shoaling also exists in the Right Outside Quarter beginning at a point approximately 1,280 feet landward of YELLOW "C" BUOY W/LIGHT EBB and extends landward approximately 7,250 feet having a maximum width of approximately the entire width of the Right Outside Quarter. Sporadic shoaling exists throughout portions of approximately the last 4,160 feet of the Right Inside and Right Outside Quarters of this reach.