

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

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DATE: 05 April 2018

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 2,040 feet seaward of GREEN LIGHT #3 EBB, to a point approximately 25 feet seaward of RED BELL #28 W/LIGHT FLOOD.	Map 114; Pg 3 of 3; 22, 24, 26, 30, 31 Jan 2018; 2, 6, 8 Feb 2018	0 - 3,060	0.39	45	44.5	44.9	44.6	44.0
Reach B: From a point approximately 25 feet seaward of RED BELL #28 W/LIGHT FLOOD, to a point approximately 310 feet landward of RED #30 W/LIGHT EBB and connecting to the opposite limit of the channel at a point approximately 55 feet seaward of GREEN GONG #5 W/LIGHT FLOOD.	Map 114; Pgs 2 & 3 of 3; 22, 24, 26, 30, 31 Jan 2018; 2, 6, 8 Feb 2018	3,060 - 4,620	0.51	40	42.9	38.2	38.2	38.7
Reach C: From a point approximately 310 feet landward of RED #30 W/LIGHT EBB, to the approximate location of RED #32 W/LIGHT EBB and a point approximately 2,415 feet landward of YELLOW A W/LIGHT FLOOD on the opposite side of the channel.	Map 114; Pgs 1 & 2 of 3; 22, 24, 26, 30, 31 Jan 2018; 2, 6, 8 Feb 2018	4,620 - 3,310	1.51	35	40.0	36.3	33.1	25.0

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 toe of the Right Outside Quarter, having a maximum width of approximately 120 feet, beginning at a point approximately 800 feet seaward of GREEN LIGHT #3 EBB and extending to a point approximately 1,490 feet landward of the same. Shoaling exists along the edge of the reach limit between Reach A and Reach B in the Right Outside and Right Inside Quarters, having a maximum width of approximately 300 feet along the channel toe of the Right Outside Quarter. Spot shoaling exists in the Left Outside Quarter for approximately the last 190 feet of the reach. The controlling depth of -44.0 feet MLLW exists along the channel toe of the Right Outside Quarter approximately at GREEN LIGHT #3 EBB.
- **Reach B:** Spot shoaling exists within the Left Inside, Right Inside, and Right Outside Quarters beginning approximately 395 feet seaward of GREEN GONG #5 W/LIGHT FLOOD and extending to the reach's landward limit. Shoaling exists along the edge of the reach limit between Reach B and Reach C in the Left Inside, Right Inside, and Right Outside Quarters, having a maximum width of approximately 250 feet. The controlling depth of -38.2 feet MLLW exists in the Left Inside Quarter approximately 1,130 feet landward of GREEN GONG #5 W/LIGHT FLOOD and in the Right Inside Quarter approximately 895 feet landward of the same.
- **Reach C:** Shoaling exists along the channel toe of the Right Outside Quarter (the limit between Red Hook Flats Anchorage and Bay Ridge Channel) beginning at a point approximately 1,020 feet seaward of YELLOW "C" W/LIGHT FLOOD and extending approximately 875 feet landward. Shoaling exists in the Right Outside Quarter beginning at a point approximately 875 feet landward of YELLOW "C" W/LIGHT FLOOD and extending landward to a point approximately 450 feet from the reach's landward limit, having a maximum width of approximately the entire width of the Right Outside Quarter. Sporadic shoaling exists throughout portions of approximately the last 2,170 feet of the Right Inside and Right Outside Quarters of this reach. The controlling depth of -25.0 feet MLLW exists along the channel toe of the Right Outside Quarter approximately 340 feet seaward of YELLOW "C" W/LIGHT FLOOD.