

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

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DATE: 4 March 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:
 New York Harbor, Red Hook Flats Anchorage, NY

**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 (45 Foot Project): From a point approximately 1,700 feet seaward of RED LIGHT W/ BELL #26; to approximately 70 feet seaward of RED LIGHT W/ BELL #28.	Map 103 Pg 3 of 3; 31 December 2012, and 4-5, 19 February 2013	0 - 3,000	0.8	45	45.2	45.5	45.4	43.6
Reach B (40 Foot Project): From 70 feet seaward of RED LIGHT W/ BELL #28; to the approximate line formed by connecting RED LIGHT W/ BELL #30 and GREEN LIGHT W/ GONG #5.	Map 103 Pgs 2 & 3 of 3; 31 December 2012, and 4-5, 19 February 2013	3,000 - 4,480	0.7	40	43.9	39.9	39.0	39.7
Reach C (35 Foot Project): From the approximate line formed by connecting RED LIGHT W/ BELL #30 and GREEN LIGHT W/ GONG #5; to approximately GREEN LIGHT W/ GONG #11.	Map 103 Pgs 1 & 2 of 3; 31 December 2012, and 4-5, 19 February 2013	4,480 - 3,360	1.7	35	41.1	36.8	34.0	24.4

REMARKS:

- All depths are in Mean Low Water (MLW).
- Channel Length is in nautical miles.

RED HOOK FLATS ANCHORAGE:

- **Reach A (45 Foot Project):** Shoaling exists along the channel's toe in the Right Outside Quarter beginning approximately 1,750 feet landward of GREEN LIGHT W/ GONG #3 and gradually widens to the end of the right outside quarter having a maximum width of approximately 160 feet.
- **Reach B (40 Foot Project):** Shoaling exists in the Right Inside Quarter beginning approximately 720 feet seaward of GREEN LIGHT W/ GONG #5 and extends landward to the end of the reach. The shoaling has a maximum width of approximately 1,440 feet covering the majority of the width of the Right Inside Quarter and extends as much as approximately 260 feet into the Right Outside and Left Inside Quarters. This shoaling exist at the boundary between Reach B and Reach C.
- **Reach C (35 Foot Project):** Shoaling exists in the southern most portion of the Right Outside Quarter beginning approximately 890 feet landward of GREEN LIGHT W/ GONG #5 and continues landward for approximately 500 feet having a maximum width of approximately 780 feet. Another shoal exists in the Right Outside Quarter beginning approximately 5,770 feet seaward of YELLOW "A", and extends landward to the end of the reach. This shoal becomes as wide as approximately 1,130 feet, covering the entire width of the Right Outside Quarter and extending approximately 300 feet into the Right Inside Quarter at its widest point.