

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

DATE: 7 September 2012

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 2,100 feet seaward of RED LIGHT W/ BELL #26; to RED LIGHT W/ BELL #28.	Map 102 Pg 3 of 3; 22,23,29-31 May & 1&4 June 2012	0 - 3,000	0.8	45	44.9	45.4	45.0	43.3
Reach B (40 Foot Project): From RED LIGHT W/ BELL #28; to approximately the line formed by connecting RED LIGHT W/ BELL #30 and GREEN LIGHT W/ GONG #5.	Map 102 Pgs 2 & 3 of 3; 22,23,29- 31 May & 1&4 June 2012	3,000 - 4,480	0.7	40	43.5	39.8	38.4	39.1
Reach C (35 Foot Project): From approximately the line formed by connecting RED LIGHT W/ BELL #30 and GREEN LIGHT W/ GONG #5; to approximately 130 feet landward of RED LIGHT & BELL #32 and GREEN LIGHT W/ GONG #11.	Map 102 Pgs 1 & 2 of 3; 22,23,29- 31 May & 1&4 June 2012	4,480 - 3,360	1.7	35	40.9	36.2	33.8	23.9

REMARKS:

- All depths are in Mean Lower Low Water (MLLW).
- 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 265 feet seaward of GREEN LIGHT W/ GONG #3 and continuing landward for approximately 1,180 feet of the same buoy. Another shoal exists in the Right Outside Quarter beginning approximately 1,700 feet landward of GREEN LIGHT W/ GONG #3, gradually widening to the width of the quarter at the end of the reach.
- **Reach B (40 Foot Project):** Shoaling extends across the Right Inside Quarter beginning approximately 1,020 feet seaward of GREEN LIGHT W/ GONG #5. This shoal also extends into the Right Outside Quarter with a 400 feet maximum width.
- **Reach C (35 Foot Project):** A shoaled area about 600 feet in width and length exists along the channel boundary in the Right Outside Quarter of the channel adjacent to Yellow Marker "C". Shoaling also exists in much of the Right Outside Quarter beginning approximately 1,000 feet landward of Yellow Marker "C" to approximately Green Light w/ Gong #11. Shoaling exists in the Right Inside Quarter from approximately 1,300 feet seaward of Yellow Marker "A" to approximately Green Light w/ Gong #11.