

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

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DATE July 13, 2004

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:
Red Hook Flats Anchorage portion of New York Harbor Navigation Project, 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: 45ft Anchorage Area (from a point 2700 ft south of "GREEN GAS & BELL 3 FLOOD" to "RED GAS # 24 EBB")	28,29 APRIL 3-11 MAY 2004	0/3,000	0.91	45	44.1	44.9	45.1	43.0
Reach B: 40ft Anchorage Area (from "RED GAS #24 EBB" to "RED BELL #26 SLACK")	28,29 APRIL 3-11 MAY 2004	3,000/ 4,200	0.83	40	43.0	39.7	38.8	39.4
Reach C: Southern section of 35 ft deep anchorage area (from "GREEN BELL NO.5 FLOOD" to "YELLOW GAS C FLOOD")	28,29 APRIL 3-11 MAY 2004	3,300	0.87	35	42.1	39.4	37.6	25.9
Reach C: Northern section of 35 ft deep anchorage area (from "YELLOW GAS C EBB" to the northern end at "RED GAS & BELL 28 EBB")	28,29 APRIL 3-11 MAY 2004	4,600	1.67	35	39.7	35.7	34.5	30.5

REMARKS:

- All depth are in MLW
- Only minor shoaling at the north end of the 45 ft deep area, at east and west. Project depth available at least on a 2,200 ft width.
- Several small shoals at the north 500 ft length of the east half of the 40 ft deep section elsewhere the project depth is available.
- Significant, approximately 500'x700' large shoal in the right outside ¼ of the Southern section of the 35 ft deep area starting 100 ft east from "YELLOW GAS C FLOOD".
- Minor shoals along the east side of the right outside ¼ of the Northern section of 35 ft deep anchorage area.