

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

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DATE 28 August 2014

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 – Sandy Hook Channel

**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 (n. miles)	DEPTH (feet)				
Reach A: East Section Reach: Begins in New York Harbor approximately 6,135 ft seaward of GREEN LIGHT #1; ends approximately 25 ft landward of GREEN #11 BELL W/LIGHT FLOOD.	Map 174 Pg 3 through 7 of 7; 31 July, 4-7 August 2014 & 9-10 September 2014	800-2,160	4.54	35	33.0	36.8	37.8	32.6
Partial Reach B: Bayside Reach: Survey coverage begins approximately 25 ft landward of GREEN #11 BELL W/LIGHT FLOOD; ends approximately 265 ft landward of GREEN LIGHT #1 EBB.	Map 174 Pg 1 through 3 of 7; 31 July, 4-7 August 2014 & 9-10 September 2014	800	2.40	35	+7.1	27.2	36.8	31.2

REMARKS:

- All depths in Mean Lower Low Water.
- Channel length in nautical miles.

NEW YORK HARBOR – SANDY HOOK CHANNEL

- **Reach A:** Shoaling exists in the Right Outside Quarter of this reach beginning approximately 275 feet seaward of RED LIGHT #4 W/LIGHT FLOOD and extends landward approximately 6,900 feet with a maximum width of approximately 70 feet. There is also some sporadic spot shoals in the Right Outside Quarter beginning approximately 545 feet seaward of RED NUN #10 FLOOD and extending landward approximately 1,945 feet. A spot shoal exists in the Left Outside Quarter of this reach beginning approximately 1,660 feet seaward of GREEN #11 BELL W/LIGHT FLOOD and extends landward approximately 130 feet. A second spot shoal exists in the Left Outside Quarter beginning approximately 815 feet seaward of GREEN #11 BELL W/LIGHT FLOOD and extends landward approximately 100 feet.
- **Partial Reach B:** Severe shoaling, consisting of some positive elevations, exists in the Left Outside Quarter beginning approximately 545 feet landward of GREEN #11 BELL W/LIGHT FLOOD and extends approximately 1,355 feet landward. The maximum width is approximately 235 feet where the shoal extends into the Left Inside Quarter. Another shoal begins in the Left Outside Quarter beginning approximately 1,440 feet seaward of RED LIGHT #16 W/BELL and extends landward approximately 310 feet, with a maximum width of approximately 55 feet. A shoal exists in the Left Outside Quarter beginning approximately 70 feet seaward of GREEN/RED LIGHT JUNCTION TC EBB and extends landward approximately 1,115 feet, with a maximum width of approximately 75 feet. Shoaling also exists in the Left Outside Quarter beginning approximately 1,135 feet seaward of GREEN LIGHT#1 and extends approximately 1,375 feet landward to the end of the survey coverage. The maximum width is approximately 100 feet. Additionally, shoaling exists in the Right Outside Quarter beginning approximately 1,650 feet landward of RED LIGHT #16 W/BELL EBB and extends landward approximately 430 feet. Another shoal exists in the Right Outside Quarter beginning approximately 50 feet landward of RED LIGHT #20 EBB and extends landward 3,315 feet to the end of the survey coverage. The maximum width is approximately 145 feet.

