

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

**PAGE** 1 **OF** 1

**DATE** August 20, 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, New York – 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)				
<b>Reach A:</b> East Section Reach: Begins in deep water in New York Harbor approximately 6,200 feet seaward of RED LIGHT #2; ends approximately at RED LIGHT #12.	Map 169 Pg 3 thru 7 of 7; 5-7, 11-14, & 21 June 2012	800- 2,160	4.5	35	34.7	39.6	38.9	31.7
<b>Reach B:</b> Bayside Reach: Begins approximately at RED LIGHT #12; ends approximately 70 feet landward of GREEN LIGHT #1.	Map 169 Pg 1 thru 3 of 7; 5-7, 11-14, & 21 June 2012	800	2.3	35	7.7	38.3	37.3	31.3

**REMARKS:**

- All depths in MLW.
- Channel length in nautical miles.

**NEW YORK HARBOR – SANDY HOOK CHANNEL**

- **Reach A:** Shoaling exists in the Right Outside Quarter along the channel's toe beginning approximately 250 feet seaward of RED LIGHT W/ BELL #4 and continues to a point approximately 1,270 landward of RED LIGHT #6. The shoal reaches a maximum width of approximately 40 feet. A shoal exists in the Right Outside Quarter approximately 530 feet seaward of RED NUN #10. Another shoal exists in the Right Outside Quarter beginning approximately 330 feet landward of RED NUN #10 and continues landward for approximately 125 feet having a maximum width of approximately 120 feet.

Shoaling exists along the channel's toe in the Left Outside Quarter beginning approximately 1,240 feet seaward of GREEN LIGHT W/ BELL #11 and continues seaward for approximately 70 feet.

- **Reach B:** Shoaling exists in the Right Outside Quarter beginning approximately 1,570 feet landward of RED LIGHT W/ BELL #16 and continues landward for approximately 980 feet. Shoaling exists in the Right Outside Quarter beginning approximately at RED LIGHT #20 and continues landward to the end of the reach covering the majority of the width of the quarter.

Severe shoaling exists in the Left Outside Quarter beginning approximately 820 feet landward of GREEN LIGHT W/ BELL #11 and continues landward for approximately 1,100 feet having a maximum width of approximately 110 feet. Shoaling exists in the Left Outside Quarter along the channel's toe beginning approximately 145 feet seaward of GREEN/RED LIGHT JUNCTION TC and continues landward for approximately 1,360 feet having a maximum width of approximately 90 feet. Another shoal exists along the toe line in the Left Outside Quarter beginning approximately 1,970 feet landward of GREEN/RED LIGHT JUNCTION TC and continues landward to the end of the reach.