

**REPORT OF CHANNEL CONDITIONS  
100 TO 400 FEET WIDE  
(ER 1130-2-306)**

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**DATE** November 18, 2003

**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:**  
Shoal Harbor and Compton Creek, NJ

**MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM  
SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
Reach A: Sandy Hook Bay to Buoy Green Can 9	11,23 Sept./2003 Map #137	150'	1.29	12	9.1	9.6	4.0
Reach B: Buoy Green Can #9 to beginning of 8' project depth section of channel (At 90-degree bend in channel.)	11,23 Sept./2003 Map #137	150-75	.28	12	8.3	9.2	2.0
Reach C: 8' project depth section (at 90-degree bend in channel) to Main Street Bridge	11,23 Sept./2003 Map #137	75	.24	8	4.0	4.5	5.0

**REMARKS:**

- Most shoals appear on edge of channel
- The shoal approx. 800 ft. south of Green Can #9 appears in the right outside quarter of the channel.
- Channel depths in Reach C become increasingly shallow as the channel approaches the Main St. Bridge.