

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE**

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DATE 05 September 2017

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, New Jersey

**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: Begins at Sandy Hook Bay approximately 95 feet seaward of RED NUN #2 FLOOD; Ends approximately 355 feet landward of GREEN #9.	Map 151 Pg 1, 2 & 3 of 3; 29 June; 10, 11 July 2017	150	1.09	12	13.7	11.3	8.9
					80% OF CHANNEL WIDTH (feet)		
Reach B: Begins approximately 355 feet landward of GREEN #9; Ends at channel's first hard bend where the 8 foot project depth begins approximately 1,400 feet landward of GREEN #9.	Map 151 Pg 3 of 3; 29 June; 10, 11 July 2017	150 – 75	0.18	12		10.4	
Reach C: Begins at channel's first hard bend where the 8 foot project depth begins approximately 1,400 feet landward of GREEN #9; Ends approximately 1,160 feet landward of the beginning of the reach.	Map 151 Pg 3 of 3; 29 June; 10, 11 July 2017	75 – 50	0.19	8		4.0	

REMARKS:

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.

SHOAL HARBOR and COMPTON CREEK

- **Reach A:** Shoaling begins in the Right Outside Quarter, along the toe of the channel at approximately 175 feet seaward of RED NUN #4, continuing landward, extending slightly into the Middle Half. Shoaling ends approximately 350 feet seaward of RED NUN #6, with a maximum width of approximately 45 feet. Intermittent shoaling exists in the Right Outside Quarter beginning approximately 250 feet seaward of GREEN #9 with Light and continues to the end of the reach, having a maximum width of approximately 30 feet.
- **Reach B:** Shoaling exists across the channel for the majority of the reach with the exception of the last 95 feet of the reach, where project depth is available in the Middle 80%.
- **Reach C:** Shoaling exists along the Left and Right Outside Quarters, partially extending into the Middle 80%, beginning approximately 155 feet and 225 feet consecutively landward from the beginning of the reach. Then tapers across the width of the channel at approximately 495 feet landward from the beginning of the reach. Shoaling across the width of the channel continues approximately 405 feet landward where it then tapers to the Left and Right Outside Quarters, including partially into the Middle 80%, to then extend across the entire width again for approximately the last 20 feet of the channel.