

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

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DATE 12 September 2019

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 65 feet seaward of RED NUN #2 EBB; Ends approximately 335 feet landward of GREEN CAN #9 EBB.	Request No. 4843/AL Pg 1, 2 & 3 of 3; 2-3, 8-9, 16 July 2019	150	1.09	12	7.9	7.6	0.1
					80% OF CHANNEL WIDTH (feet)		
Reach B: Begins approximately 335 feet landward of GREEN CAN #9 EBB; Ends at channel's first hard bend where the 8 foot project depth begins approximately 1,100 feet landward of the beginning of this reach.	Request No. 4843/AL Pg 3 of 3; 2-3, 8-9, 16 July 2019	150 – 75	0.18	12		7.8	
Reach C: Begins at channel's first hard bend where the 8 foot project depth begins; Ends approximately 1,175 feet landward of the beginning of this reach.	Request No. 4843/AL Pg 3 of 3; 2-3, 8-9, 16 July 2019	75 – 50	0.19	8		1.8	

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:** Edge shoaling exists in the Left Outside Quarter and the Right Outside Quarter and extends channel wide at the approximate location of GREEN CAN #9 EBB. The controlling depth of -0.1 feet MLLW exists in the Right Outside Quarter at approximately 35 feet seaward from the end of this reach.
- **Reach B:** Shoaling exists across the channel for the majority of the reach. The controlling depth of -7.8 feet MLLW exists in the Middle 80% at approximately 490 feet landward from the beginning of this reach.
- **Reach C:** Shoaling exists across the channel for the majority of the reach. The controlling depth of -1.8 feet MLLW exists in the Middle 80% at the end of this reach.