

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

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DATE 03 August 2021

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 340 feet landward of GREEN #9 W/LIGHT FLOOD.	File No. 5081/N3; Pg 1- 3 of 3; 19-20 July 2021	150	1.09	12	7.3	3.8	+0.9
					80% OF CHANNEL WIDTH (feet)		
Reach B: Begins approximately 340 feet landward of GREEN #9 W/LIGHT FLOOD; Ends at channel's first hard bend where the 8-foot project depth begins approximately 1,095 feet landward of the beginning of this reach.	File No. 5081/N3; Pg 3 of 3; 19-20 July 2021	150 – 75	0.18	12		3.2	
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.	File No. 5081/N3; Pg 3 of 3; 19-20 July 2021	75 – 50	0.19	8		1.2	

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 #9 W/LIGHT FLOOD. The controlling depth of +0.9 feet MLLW exists in the Right Outside Quarter at approximately 20 feet seaward of the end of this reach.
- **Reach B:** Shoaling exists across the majority of this reach. The controlling depth of -3.2 feet MLLW exists in the Middle 80% at approximately 110 feet landward of the beginning of this reach.
- **Reach C:** Shoaling exists across the majority of this reach. The controlling depth of -1.2 feet MLLW exists in the Middle 80% at approximately 760 feet landward of the beginning of this reach.