

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

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DATE 31 August 2018

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 EBB; Ends approximately 355 feet landward of GREEN CAN #9 W/ LIGHT EBB.	Map 152 Pg 1, 2 & 3 of 3; 27-28 June 2018	150	1.09	12	9.0	8.8	3.5
					80% OF CHANNEL WIDTH (feet)		
Reach B: Begins approximately 355 feet landward of GREEN CAN #9 W/ LIGHT EBB; Ends at channel's first hard bend where the 8 foot project depth begins approximately 1,400 feet landward of GREEN CAN #9 W/ LIGHT EBB.	Map 152 Pg 3 of 3; 27-28 June 2018	150 – 75	0.18	12		8.9	
Reach C: Begins at channel's first hard bend where the 8 foot project depth begins approximately 1,400 feet landward of GREEN CAN #9 W/ LIGHT EBB; Ends approximately 1,160 feet landward of the beginning of the reach.	Map 152 Pg 3 of 3; 27-28 June 2018	75 – 50	0.19	8		4.5	

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 channel toe at approximately 650 feet landward from RED NUN #2 EBB and continues to the landward terminus of the reach, approximately 5,925 feet, with a maximum width of approximately 80 feet. A shoal exists in the Left Outside Quarter at approximately 590 feet landward from GREEN CAN #5 EBB and continues for approximately 110 feet landward with a maximum width of approximately 35 feet. Shoaling begins in the Left Outside Quarter along the channel toe at approximately 1,335 feet landward from GREEN CAN #5 EBB and continues to the landward terminus of the reach, approximately 1,050 feet. The controlling depth of -3.5 feet MLLW is present in the Right Outside Quarter at approximately 300 feet landward of GREEN CAN #9 W/ LIGHT EBB.
- **Reach B:** Shoaling exists across the channel for the majority of the reach with the exception of the last 165 feet of the landward terminus of the reach, where project depth is available in the Middle 80%. The controlling depth of -8.0 feet MLLW is present in the Middle 80% at approximately 620 feet landward from the seaward terminus of the reach.

- **Reach C:** Shoaling exists along the Left and Right Outside Quarters, extending into the Middle 80%, beginning approximately 70 feet landward from the beginning of the reach. Then extends across the width of the channel at approximately 530 feet landward from the beginning of the reach. Shoaling across the entire width of the channel continues approximately 535 feet landward where it then tapers to the Left and Right Outside Quarters, including partially into the Middle 80%. The controlling depth of -4.5 feet MLLW is present in the Middle 80% at approximately 20 feet seaward from the landward terminus of the reach.