

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

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**DATE** 3 August 2018

**TO:** The Record

**FROM:** U.S. Army Corps of Engineers  
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New York, NY 10278-0090

**RIVER/HARBOR NAME AND STATE:**  
Sandy Hook Bay at Leonardo, 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)			
<b>Reach A:</b> Begins approximately 680 feet seaward of RED NJ BARREL FLOOD Buoy and ends approximately 445 feet landward of said buoy.	Map 140; Sheet 1 of 1; 6 April 2018	150	0.19	8	8.5	8.8	7.8
<b>Reach B:</b> Begins approximately 445 feet landward of RED NJ BARREL FLOOD Buoy and ends approximately 340 feet seaward of RED FIXED DANGER SIGN W/ LIGHT.	Map 140; Sheet 1 of 1; 6 April 2018	150	0.14	8	8.0	7.8	7.6
<b>Reach C:</b> Begins approximately 340 feet seaward of RED FIXED DANGER SIGN W/LIGHT Buoy and ends at entrance of the boat basin.	Map 140; Sheet 1 of 1; 6 April 2018	150	0.09	8	5.0	7.2	7.0

**REMARKS:**

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

**SANDY HOOK BAY AT LEONARDO:**

**Reach A:**

- Shoaling exists along the toe of the Right Outside Quarter, commencing from approximately 325 feet seaward of RED NJ BARREL FLOOD Buoy and continues landward for 160 feet.

**Reach B:**

- Project depth is available across the entire width of this channel for approximately the first 555 feet of this reach. Thence, shoaling gradually spreads from the Right Outside Quarter to the Middle Half for the remainder of the reach. The controlling depth of -7.6 feet MLLW exists in the Right Outside Quarter, approximately 630 feet landward of GREEN NJ BARREL FLOOD Buoy.

**Reach C:**

- Shoaling exists across the channel width for the entire reach, with the exception of 2 areas where project depth is available. Project depth is available intermittently in the Middle Half and the Left Outside Quarter at the beginning of the reach. Project depth is also available in the Middle Half and Right Outside Quarter northwest of GREEN FIXED AID TO NAVIGATION W/LIGHT Buoy just before the end of the reach. The controlling depth of -5.0 feet MLLW exists in the Left Outside Quarter just seaward of the GREEN FIXED AID TO NAVIGATION W/LIGHT Buoy.