

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

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DATE 17 May 2024

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:
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)			
Reach A: Begins approximately 625 feet seaward of RED W/LIGHT #2 EBB and ends approximately 505 feet landward of the same.	File No 5440/N2/N3; Sheet 1 of 1 13 & 14 May 2024	150	0.19	8	8.4	9.0	7.4
Reach B: Begins approximately 505 feet landward of RED W/LIGHT #2 EBB and ends at approximately RED NUN #6 FLOOD.	File No 5440/N2/N3; Sheet 1 of 1 13 & 14 May 2024	150	0.14	8	6.4	6.6	3.5
Reach C: Begins at approximately RED NUN #6 FLOOD and ends at entrance of the boat basin.	File No 5440/N2/N3; Sheet 1 of 1 13 & 14 May 2024	85 - 150	0.09	8	2.1	5.5	2.2

REMARKS:

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

SANDY HOOK BAY AT LEONARDO

Reach A:

Minor shoaling exists along the channel's toe in the Right Outside Quarter of this reach. The controlling depth of -7.4 feet MLLW exists in two areas on the toe of the Right Outside Quarter of the channel approximately 250 feet seaward of RED NUN #2 W/LIGHT EBB and 230 feet landward of the same.

Reach B:

Shoaling commences in the Right Outside Quarter, beginning at approximately at RED NUN #4 EBB, and gradually expands landward until it encompasses the entire width of the remainder of the reach. The controlling depth of -3.5 feet MLLW exists on the toe of the Right Outside Quarter at the landward end of the reach.

Reach C:

Shoaling exists throughout this entire reach. The controlling depth of -2.1 feet MLLW exists in the Left Outside Quarter at the landward end of the reach.