

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

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 1,685 feet seaward of GREEN NJ BUOY ending approximately 487 feet seaward of GREEN NJ BUOY.	Map 138; Sheet 1 of 1; 11 April 2016	150	0.20	8	8.2	8.5	7.9
Reach B: Begins approximately 487 feet seaward of GREEN NJ BUOY and ends approximately 113 feet landward of GREEN NJ BUOY.	Map 138; Sheet 1 of 1; 11 April 2016	150	0.10	8	7.6	8.1	7.5
Reach C: Begins approximately 113 feet landward of GREEN NJ BUOY and ends at entrance of the boat basin.	Map 138; Sheet 1 of 1; 11 April 2016	150	0.12	8	7.3	7.8	7.3

REMARKS:

- All depths are relative to Mean Lower Low Water datum
- Channel reach lengths are in nautical miles

SANDY HOOK BAY AT LEONARDO:

- **Reach A:** Shoaling exists along the channel's toe in the Right Outside Quarter commencing approximately 215 feet landward from the entrance of the channel and continues approximately 280 feet landward, having a maximum width of approximately 10 feet. A spot shoal exists along the channel's toe in the right Outside Quarter commencing approximately 760 feet landward of the channel's entrance.
- **Reach B:** Shoaling exists along the channel's toe in the Right Outside Quarter commencing approximately 375 feet seaward of GREEN NJ BUOY and continues approximately 175 feet landward, having a maximum width of approximately 20 feet. Another shoal exists along the channel's toe in the Right Outside quarter commencing approximately at GREEN NJ BUOY and continues into Reach C where it intermittently tapers into the Middle Half, having a maximum width of approximately 90 feet, and ends approximately at GREEN FIXED AID TO NAVIGATION W/LIGHT. Shoaling commences along the channel's toe in the Left Outside Quarter commencing approximately 200 feet seaward of GREEN NJ BUOY and continues approximately 160 feet landward from said buoy, having a maximum width of approximately 25 feet.
- **Reach C:** Shoaling commences along the channel's toe in the Left Outside Quarter approximately 205 feet seaward of GREEN FIXED AID TO NAVIGATION W/LIGHT and widens to the approximate width of the quarter, ending approximately 40 feet landward of GREEN FIXED AID TO NAVIGATION W/LIGHT. Please refer to Reach B shoaling description for additional shoaling in Reach C.