

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

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DATE 20 July 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:
Sandy Hook Bay at Atlantic Highlands Anchorage, New Jersey

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM
SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			MINIMUM DEPTH IN CHANNEL (feet)
		WIDTH (feet)	AREA (acres)	DEPTH (feet)	
Atlantic Highlands Anchorage: Commences at the east (seaward) end of the U.S. Breakwater at the RED/WHITE AID TO NAVIGATION W/LIGHT and continues west (landward) for approximately 4,000 feet along the U.S. Breakwater to the approximate location of RED FIXED AID TO NAVIGATION #10 W/ LIGHT	Map 138 Pgs 1-2 of 2 11 & 18 APRIL 2018	650 - 1,210	100.4	8	1.5

REMARKS:

- All depths are relative to Mean Lower Low Water (MLLW) Datum
- Channel area is in acres

SANDY HOOK BAY, NJ:

- **Atlantic Highlands Anchorage:**
 - Shoaling exists along the northern toe, beginning approximately 70 feet landward of RED/WHITE AID TO NAVIGATION W/ LIGHT and extends northwest for approximately 3,020 feet, before continuing approximately 890 feet along the northwestern toe and expanding across the majority of the width of the anchorage.
 - Shoaling exists on the southern toe of the anchorage beginning approximately 250 feet landward of GREEN FIXED AID TO NAVIGATION #3 W/ LIGHT and extends northwest for approximately 1,720 feet with a maximum width of approximately 295 feet.
 - Shoaling exists at approximately 1,305 feet northwest of GREEN FIXED AID TO NAVIGATION #7 W/ LIGHT and continues for approximately 465 feet northwest with a maximum width of approximately 75 feet.
 - Spot shoaling exists in the southwestern corner of the anchorage beginning at approximately 1,305 feet northwest of GREEN BUOY #5 W/ LIGHT EBB and continues landward to the edge of the channel, with a maximum width of approximately 100 feet, and extends north for approximately 445 feet.
 - A shoal exists at approximately 190 feet northwest of RED #6 W/LIGHT and extends approximately 460 feet northeast with a maximum width of approximately 135 feet.
 - The controlling depth of -1.5 feet MLLW exists at approximately 430 feet landward of GREEN FIXED AID TO NAVIGATION #3.