

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

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DATE 31 October 2024

TO: The Record

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

RIVER/HARBOR NAME AND STATE:
Great South Bay, New York

**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)			
GREAT SOUTH BAY, NEW YORK							
Reach A: Begins at mile 0 close to the Robert Mosses Causeway Bridge at the Fire Island Inlet, and ends approximately 5 miles east at Fire Islands.	File #5453 Sheets 2-10 of 30; 8-21 August 2024	200	4.0	10	4.2	2.1	2.2
Reach B: Begins at Fire Islands at the approximate location of mile 5, and ends north east at the approximate location of mile 14 at Brown Point.	File #5453 Sheets 10-25 of 30; 8-21 August 2024	200 - 475	7.6	10	8.6	11.1	10.9
Reach C: Begins at Brown Point, located approximately at mile 14, and ends north east at the intersection with the Patchogue River.	File #5453 Sheets 25-30 of 30; 8-21 August 2024	200	2.2	10	9.9	9.8	9.8

REMARKS:

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

GREAT SOUTH BAY

- **Reach A:**
 - Shoaling exists intermittently across the entire width of the channel.
 - A controlling depth of -2.1 feet MLLW exists in the Middle Half of the channel approximately 5,575 feet seaward of GREEN CAN #3 FLOOD.
- **Reach B:**
 - Shoaling exists intermittently the reach in the Left Outside Quarter in the vicinity of GREEN "19" W/LIGHT FLOOD.
 - A controlling depth of -8.6 feet MLLW exists in the Left Outside Quarter in the vicinity of GREEN "19" W/LIGHT FLOOD.
- **Reach C:**
 - Shoaling exists intermittently throughout the entire width of the channel, starting about halfway through the reach.
 - A controlling depth of -9.8 feet MLLW exists in several spots in the Middle Half and Right Outside Quarter approximately 220 feet seaward of GREEN "35" W/LIGHT FLOOD.