

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

PAGE 1 OF 2 PAGES

DATE 13 February 2023

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:
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 #5180/N4 Sheets 2-10 of 30; 12, 16 May, 6-9, 13-16 June 2022	200	4.0	10	3.9	1.7	1.0
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 #5180/N4 Sheets 10-25 of 30; 12, 16 May, 6-9, 13-16 June 2022	200 - 475	7.6	10	8.8	10.5	9.8
Reach C: Begins at Brown Point, located approximately at mile 14, and ends north east at the intersection with the Patchogue River.	File #5180/N4 Sheets 25-30 of 30; 12, 16 May, 6-9, 13-16 June 2022	200	2.2	10	9.4	9.4	9.4

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 -1.0 feet MLLW exists in the Right Outside Quarter of the channel approximately 1,000 feet seaward of GREEN/RED "CB" W/LIGHT FLOOD.
- **Reach B:**
 - Edge shoaling exists intermittently throughout the reach in the Right Outside Quarter and Left Outside Quarter.
 - A controlling depth of -8.8 feet MLLW exists in the Left Outside Quarter of the channel approximately 80 feet landward 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 -9.4 feet MLLW exists in several spots in the Right Outside Quarter approximately 160 feet seaward of GREEN "35" W/LIGHT EBB and in the Left Outside Quarter and Middle Half approximately 530 feet seaward of GREEN "35" W/LIGHT EBB.