

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

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DATE 17 December 2020

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 #4971 Sheets 3-9 of 26; 1-28 October 2020	200	4.0	10	4.5	2.4	1.3
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 #4971 Sheets 9-23 of 26; 1-28 October 2020	200 - 475	7.6	10	8.3	9.9	9.1
Reach C: Begins at Brown Point, located approximately at mile 14, and ends north east at the intersection with the Patchogue River.	File #4971 Sheets 23-26 of 26; 1-28 October 2020	200	2.2	10	9.5	9.5	9.6

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 in throughout the entire width of the channel, beginning approximately 350 feet landward of the channels first bend and continues for approximately 1,250 feet landward.
 - Intermittent shoaling exists throughout the channel width from the approximate vicinity of G C "7" FL EBB TIDE to the approximate vicinity of GR "EW" FL G EBB TIDE.
 - Shoaling exists in the Right Outside Quarter and Middle Half of the channel approximately 365 feet seaward of R "8" FL R EBB TIDE.
 - A controlling depth of 1.3 feet MLLW exists in the Right Outside Quarter of the channel approximately 1,250 feet landward of the channels first bend.

- **Reach B:**
 - A shoal exists in the Left Outside Quarter of the channel in the approximate vicinity of G "19" FL G FLOOD TIDE.
 - A controlling depth of 8.3 feet MLLW exists in the Left Outside Quarter of the channel in the vicinity of G "19" FL G FLOOD TIDE.

- **Reach C:**

- Shoaling exists throughout the entire width of the channel, from approximately 3,500 feet landward of G "35" FL G EBB TIDE until the approximately 1,800 feet landward of the end of the channel, with intermittent areas of project depth throughout.
- A controlling depth of 9.5 feet MLLW exists in the Left Outside Quarter of the channel approximately 1,825 feet seaward of G "35" FL G EBB TIDE.