

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

PAGE 1 OF 1 PAGE

DATE 17 September 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:
Great South Bay - Patchogue River, 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)			
Reach D (Entrance Channel): From the intersection with the Great South Bay Channel, to a point approximately 8,550 feet landward where the 10 Foot Inside Section Reach begins.	Map 100, Sheets 1-3 of 4; 26-27 July, 2 June 2018	100	1.41	10	6.0	6.3	6.3
Reach E (10 Foot Inside Section): From the landward extent of the Entrance Channel Reach, to a point approximately 4,155 feet landward where the 8 Foot Inside Section Reach begins.	Map 100, Sheets 3-4 of 4; 26-27 July, 2 June 2018	100	0.68	10	2.1	0.1	0.4
Reach F (8 Foot Inside Section): From the landward extent of the 10 Foot Inside Section Reach, to a point approximately 1,170 feet landward of the Section Reach's only bend.	Map 100, Sheets 4 of 4; 26-27 July, 2 June 2018	100	0.19	8	3.0	3.3	4.1

REMARKS:

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

GREAT SOUTH BAY - PATCHOGUE RIVER

- **Reach D (Entrance Channel):**
 - Shoaling exists in the Right Outside Quarter and Middle Half at approximately 270 feet landward from the beginning of the reach and continues for approximately 105 feet landward with a maximum width of 55 feet.
 - Shoaling exists across the entire width of the channel at approximately 505 feet landward from the beginning of the reach and continues for approximately 305 feet landward.
 - Shoaling exists across the entire width of the channel at approximately 915 feet landward and continues for approximately 150 feet landward.
 - Shoaling exists across the entire width of the channel at approximately 1,360 feet seaward from GREEN BUOY #1 W/ LIGHT EBB TIDE and continues until the end of the reach.
 - The controlling depth of -6.0 feet MLLW exists at approximately 980 feet seaward from the end of the reach.
- **Reach E (10 Foot Inside Section):**
 - Shoaling exists across the entire width of the channel from the beginning of the reach and continues until approximately 470 feet seaward from the end of the reach.
 - Shoaling exists in the Right Outside Quarter, extending into the Middle Half, at approximately 580 feet seaward from the end of the reach and continues landward until the end of the reach.
 - The controlling depth of -0.1 feet MLLW exists at approximately 1,410 feet seaward from the end of the reach.
- **Reach F (8 Foot Inside Section):**
 - Shoaling exists along the channel's toe in the Left Outside Quarter commencing at the beginning of the reach and continues for approximately 150 feet landward.
 - Shoaling exists along the channel's toe in the Right Outside Quarter at approximately 120 feet landward and continues for approximately 180 feet landward.
 - Shoaling exists across the entire width of the channel from approximately 280 feet landward from the beginning of the reach and continues until the end of the reach.
 - The controlling depth of -3.0 feet MLLW exists at approximately 115 feet seaward from the end of the reach.