

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

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TO: The Record

FROM: U.S. Army Corps of Engineers
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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 5064, Sheets 1-3 of 4; 11-15 July 2021	100	1.41	10	6.5	6.8	5.8
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 5064, Sheets 3 of 4; 11-15 July 2021	100	0.68	10	2.8	4.4	2.6
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 5064, Sheets 4 of 4; 11-15 July 2021	100	0.19	8	4.0	4.0	5.0

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 across the entire width of the channel.
 - A controlling depth of -5.8 MLLW is located in the Right Outside Quarter of the channel at approximately the end of the reach.
- **Reach E (10 Foot Depth Inside Section):**
 - Shoaling exists across the entire width of the channel, from the beginning of the reach until approximately 885 feet from the end of the reach, where the shoals continues intermittently in the Right Outside Quarter and Middle Half.
 - A controlling depth of -2.6 feet MLLW exists in the Right Outside Quarter of the channel approximately 415 feet landward of FL G "5".
- **Reach F (8 Foot Depth Inside Section):**
 - Shoaling exists intermittently along the channel in the Right Outside Quarter, Left Outside Quarter, and partially in the Middle Half.
 - A controlling depth of -4.0 feet MLLW exists in the Left Outside Quarter and Middle Half of the channel at approximately the end of the reach.