

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

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**DATE** 16 June 2022

**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)			
<b>Reach D (Entrance Channel):</b> From the intersection with the Great South Bay Channel, to the channel's first bend.	Map 5176/AL, Sheets 1-4 of 5; 13, 17 May 2022	100	1.41	10	6.4	6.9	6.1
<b>Reach E (10 Foot Inside Section):</b> From the landward extent of the Entrance Channel Reach, to a point approximately 1,130 feet seaward of the end of the channel.	Map 5176/AL, Sheets 4&5 of 5; 13, 17 May 2022	100	0.68	10	2.6	4.3	2.6
<b>Reach F (8 Foot Inside Section):</b> From the landward extent of the 10 Foot Inside Section Reach, to a point approximately 200 feet seaward of Division Street.	Map 5176/AL, Sheets 5 of 5; 13, 17 May 2022	100	0.19	8	4.3	3.4	3.2

**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 -6.1 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 the reach's second bend, where shoals continue 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 585 feet landward of the beginning of the reach and in the Left Outside Quarter approximately 196 feet seaward of the reach's first bend.
- **Reach F (8 Foot Depth Inside Section):**
  - Shoaling exists intermittently across the entire width of the channel.
  - A controlling depth of -3.2 feet MLLW exists in the Right Outside Quarter at approximately 15 feet seaward of the end of the reach.