

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

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DATE 21 December 2016

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 98, Sheets 3-5 of 5; 20-21 July 2016	100	1.41	10	7.2	7.8	6.7
Reach E (10 Foot Inside Section): From the landward extent of the Entrance Channel Reach, to a point approximately 4,130 feet landward where the 8 Foot Inside Section Reach begins.	Map 98, Sheets 2-3 of 5; 20-21 July 2016	100	0.68	10	3.5	4.9	3.5
Reach F (8 Foot Inside Section): From the landward extent of the 10 Foot Inside Section Reach, to a point approximately 775 feet landward of the Section Reach's only bend.	Map 98, Sheets 2 of 5; 20-21 July 2016	100	0.19	8	5.3	4.4	5.9

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 beginning approximately 1,090 feet landward of the beginning of the reach, and continues landward approximately 7,450 feet landward to 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 to a point approximately 1,120 feet seaward of the end of the reach. The controlling depth of -3.5 feet MLLW exists in this shoaling. The shoaling continues landward for approximately 950 feet in portions of the Right Outside Quarter and Middle Half of the reach.
 - Shoaling exists in the Left Outside Quarter for approximately the last 65 feet of this reach.
- **Reach F (8 Foot Inside Section):**
 - Shoaling exists along the Right Outside Quarter of the channel beginning approximately 25 feet landward of the reach's only bend, and continues landward for approximately 315 feet, extending into the Middle Half of the channel.
 - Shoaling exists in the Left Outside Quarter of the channel starting from the beginning of the reach, and continues landward for approximately 200 feet.
 - Shoaling exists along the Left Outside Quarter of the channel beginning approximately 20 feet seaward of the reach's only bend, and continues landward for approximately 445 feet, extending into the Middle Half of the channel.
 - Shoaling exists across the channel's entire width for the majority of approximately the last 300 feet of this reach where the controlling depth of -4.4 feet MLLW exists.