

**REPORT OF CHANNEL CONDITIONS  
400 FEET WIDE OR GREATER  
(ER 1130-2-306)**

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<b>DATE</b>	19 June 2013		

<b>TO:</b> The Record	<b>FROM:</b> U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090
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<b>RIVER/HARBOR NAME AND STATE:</b> Great South Bay, Patchogue River, NY Federal Navigation Channel	<b>MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD</b>
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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:</b> From approximately 2,660 feet seaward of GREEN BUOY #1 w/ LIGHT to approximately 3,480 feet landward of RED NUN #4 EBB	File 92, Sheets 1-3 of 4; 1,6,7,9 May 2013	100	1.73	8*	4.1	5.2	3.4
<b>Reach E:</b> From approximately 3,480 feet landward of RED NUN #4 EBB to approximately 360 feet seaward of the last bend	File 92, Sheets 4 of 4; 1,6,7,9 May 2013	100	0.37	8*	5.9	6.6	5.9
<b>Reach F:</b> From approximately 360 feet seaward of the last bend to approximately 790 feet landward of the last bend	File 92, Sheets 4 of 4; 1,6,7,9 May 2013	100	0.2	8	4.7	4.4	5.4

**REMARKS:**

- All depths are in reference to Mean Lower Low Water (project originally authorized to Mean Low Water).
- The channel length is in nautical miles.
- \* Originally authorized to 10 feet, but not constructed. Maintained to 8 feet.

**GREAT SOUTH BAY, PATCHOGUE RIVER**

- **Reach D:**
  - Shoaling occurs approximately 375 feet landward of RED NUN #2 across the entire channel width with a length of approximately 6,050 feet and extends beyond the end of Reach D and into Reach E.
- **Reach E:**
  - Channel shoaling is present in this reach, an extension of the shoal from Reach D has a length of approximately 840 feet, with the majority extending the entire channel width; thence, continues for an approximately 350 feet in length on the Left and Right Outside Quarters of the channel.
- **Reach F:**
  - Shoaling occurs along both the Left Outside and Right Outside Quarters of the channel beginning approximately at the last bend with a length of approximately 350 feet. The maximum width of the shoal on each quarter is approximately 50 feet.
  - Channel-wide shoaling begins approximately 250 seaward of the end of the reach until the end of the reach.