

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

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**DATE** 23 August 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:**  
Glen Cove Creek, 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 A:</b> Commence approximately 400 feet landward of RED #2 and GREEN #1 BUOYS to the downstream limit of the 50 foot wide channel.	File 37 Sheets 1-2 of 3; 9-11 July 2018	100-50	0.56	8	0.0	3.0	0.2

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<100 FEET WIDE**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			MIDDLE 80% (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)	
<b>Reach B:</b> From the end of Reach A at the start of the 50 foot wide channel to a distance approximately 1,005 feet landward. This reach ends at the second bend in the channel.	File 37 Sheet 2-3 of 3; 9-11 July 2018	50	0.13	8	6.2
<b>Reach C:</b> From the end of Reach B at the second bend in the channel to the eastern terminus of the project, a point approximately 650 feet landward.	File 37 Sheet 3 of 3; 9-11 July 2018	50	0.11	8	1.7

**REMARKS:**

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

**GLEN COVE CREEK, NEW YORK:**

- **Reach A:** Shoaling exists in the Left Outside Quarter and Middle Half at approximately 490 feet landward from the beginning of the reach and continues until approximately 1,380 feet seaward from the end of the reach, with a maximum width of approximately 60 feet. Shoaling occurs in the Right Outside Quarter and Middle Half at approximately 780 feet landward from the beginning of the reach and continues for approximately 250 feet landward with a maximum width of approximately 30 feet. Shoaling exists in the Left Outside Quarter commencing at approximately 585 feet seaward from the end of the reach and continues landward to the end of the reach, with a maximum width of 25 feet. Shoaling exists in the Right Outside Quarter commencing at approximately 445 feet seaward from the end of the reach and continues landward to the end of the reach. The controlling depth of 0.0 feet MLLW occurs in the Left Outside Quarter at approximately 695 feet landward from the beginning of the reach.
- **Reach B:** Intermittent shoaling exists along the channel toe in the Left Edge and extends into the Middle 80% from the beginning of the reach until the end of the reach, with a maximum width of approximately 25 feet. Intermittent shoaling occurs along the channel's toe in the Right Edge and extends into the Middle 80% from the beginning of the reach until the end of the reach, with a maximum width of approximately 20 feet. The controlling depth of -6.2 feet MLLW exists in the Middle 80% at approximately 340 feet from the end of the reach.
- **Reach C:** The majority of the reach is shoaled across the width of the channel. The controlling depth of -1.7 feet MLLW exists in the Middle 80% at approximately 25 feet seaward from the end of the reach.