

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

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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)			
Reach A: Commence approximately 192 feet seaward of "SLOW" BUOY in Hempstead Harbor to the downstream limit of the 50 foot wide channel.	File 35 Sheets 2-4 of 4; 19-20 July 2016	100-50	0.56	8	0.5	3.6	0.2

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<100 FEET WIDE**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			80% CHANNEL WIDTH (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)	
Reach B: From the end of Reach A at the start of the 50 foot wide channel to a distance approximately 815 feet landward. This reach ends at the second bend in the channel.	File 35 Sheet 2 of 4; 19-20 July 2016	50	0.13	8	8.0
Reach C: 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 35 Sheet 2 of 4; 19-20 July 2016	50	0.11	8	1.3

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:** There is shoaling across the width of the Left Outside Quarter beginning at 320 feet landward of the "SLOW" BUOY and continuing landward in the Left Outside Quarter for 65 feet. Thence, the shoal expands into the Middle Half of the reach for 160 feet with a maximum width of 50 feet. From the maximum shoaling point, the shoal tapers back to the edge of the channel in the Left Outside Quarter 90 feet upstream. Additionally, there is a shoal in the Right Outside Quarter which begins 610 feet landward of the "SLOW" BUOY and continues landward for 210 feet. There are also several edge shoals along both sides of the channel towards the end of the reach as the width of the channel decreases.
- **Reach B:** Shoaling occurs along the right edge of the channel, starting at 390 feet landward from the start of the reach, and extending 170 feet landward, with a maximum width of 20 feet. Edge shoaling occurs along both sides of the channel starting at 50 feet seaward from end of the reach and continuing to the end of the reach.
- **Reach C:** The majority of the reach is shoaled across the width of the channel.