

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

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DATE 13 October 2015

TO: The Record

FROM: U.S. Army Corps of Engineers
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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: From deep water in Hempstead Harbor approximately 110 feet seaward of "SLOW" BUOY to the downstream limit of the 50 foot wide channel.	Map 34 Pgs 1-3 of 3; 27, 29 July 2015	100-40	0.56	8	+0.4	3.3	+0.2

**REPORT OF CHANNEL CONDITIONS
<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 third bend in the channel.	Map 34 Pg 3 of 3; 27, 29 July 2015	40-50	0.13	8	4.2
Reach C: From the end of Reach B at the third bend in the channel to the eastern terminus of the project, a point approximately 650 feet landward.	Map 34 Pg 3 of 3; 27, 29 July 2015	50	0.11	8	1.9

REMARKS:

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

GLEN COVE CREEK, NEW YORK:

- **Reach A:** There is shoaling across the width of the Left Outside Quarter beginning approximately 380 feet landward of the "SLOW" BUOY and continuing landward in the Left Outside Quarter for approximately 50 feet. Thence, the shoal expands into the Middle Half of the reach for approximately 185 feet with a maximum width of approximately 50 feet. Landward from there, the shoal tapers back to exist solely in the Left Outside Quarter for approximately 125 feet. There is a shoal in the Right Outside Quarter which begins approximately 715 feet landward of the "SLOW" BUOY and continues landward for approximately 200 feet. There are several edge shoals along both sides of the channel, particularly towards the end of the reach as the width of the channel decreases. Just before the end of the reach, an edge shoal along the right side of the channel widens into the Middle Half.
- **Reach B:** There is shoaling across the majority of the channel width until approximately 600 feet landward of the start of the reach. Thence, the shoal tapers into the Right 10% of the channel before expanding back towards the center of the channel for approximately the final 30 feet of the reach.
- **Reach C:** With the exception of an area approximately 50 feet long at the start of the reach in the Middle 80% of the channel, the entire reach is shoaled in.