

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-306)**

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DATE 23 July 2014

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**

Glen Cove Creek, New York (100 Feet Channel Width)	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 to the downstream limit of the 50 foot wide channel, approximately 3425 feet landward. This reach ends at the second bend in the channel.	Map 33 Pg. 1-3 of 3; 19 & 30 June and 1 July 2014	100-50	0.56	8	3.7	4.8	1.0
Glen Cove Creek, New York (50 Feet Channel Width)	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE 10% (feet)	80% CHANNEL WIDTH (feet)	RIGHT OUTSIDE 10% (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
Reach B: From the end of Reach A at the second bend in the channel and 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 33 Pg. 3 of 3; 19 & 30 June 2014	50	0.13	8	8.5	8.5	9.1
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 33 Pg. 3 of 3; 19 & 30 June 2014	50	0.11	8	6.8	1.5	4.5

REMARKS:

- All depths are in Mean Lower Low Water (MLLW)
- Channel length is in nautical miles

Reach A:

- A shoal approximately 350 feet in length exists in the Left Outside Quarter beginning approximately 480 feet landward of the start of the channel and extending into the Middle Half for a distance of approximately 140 feet before receding back into the Left Outside Quarter.
- There is a shoal approximately 210 feet in length in the Right Outside Quarter beginning approximately 800 feet landward of the start of the channel.
- A shoal approximately 400 feet in length exists in the Left Outside Quarter beginning approximately 440 feet seaward of the end of the reach.
- There are several small shoals along the edges of both the Left Outside Quarter and Right Outside Quarter.

Reach B:

- Project depth is mostly available in this reach with the exception of some small shoals along the channel edges. Channel wide shoaling begins 30 feet seaward of the landward end of the reach. Although the soundings on the survey reflect depths below the project depth, the 8-foot contour lines within the channel limits reveal that there is shoaling within this reach.

Reach C:

- Shoaling extends across the width of the channel for the majority of this reach with the exception of two small areas in the Middle 80% of the channel where project depth is available.