

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

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**DATE** 09 July 2010

**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**

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)			
<b>Reach A:</b> From deep water in Hempstead Harbor to downstream limit of the 50 feet wide channel.	Map 30 Pg. 1 & 2 of 3; 24 – 26 May 2010	100-50	0.57	8	0.2	7.7	6.8

Glen Cove Creek, New York (50 Feet Channel Width)	DATE OF SURVEY	AUTHORIZED PROJECT			80% CHANNEL WIDTH (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)	
<b>Reach B:</b> From the end of Reach A to a distance approximately 950 feet landward.	Map 30 Pg. 3 of 3; 24 – 26 May 2010	50	0.16	8	3.7
<b>Reach C:</b> From the end of Reach B to the eastern terminus of the project.	Map 30 Pg. 3 of 3; 24 – 26 May 2010	50	0.09	8	0.3

**REMARKS:**

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

**Reach A:**

- Shoaling exists over a majority of the Left Outside Quarter of the channel, and extends briefly into the Middle Half of the channel in some areas.
- Minor spot shoaling exists along the outside edge of the Right Outside Quarter of the channel.

**Reach B:**

- Shoaling exists along a majority of the left channel line with sporadic extensions into the Middle 80% of the channel. One large shoal from the left channel line exists from approximately 80 feet seaward from the end of the channel reach to the end with a width of approximately 30 feet covering approximately 50% of the middle 80% of the channel.
- Minor spot shoaling exists along the right channel line with sporadic extensions into the Middle 80% of the channel.
- Two shoals sit in the middle of the reach along the right channel line; one located from approximately 460 feet to 490 feet seaward from the end of the channel reach with a width of approximately 20 feet, and the other located from approximately 500 feet to 540 feet seaward from the end of the channel reach with a width of approximately 15 feet.

**Reach C:**

- Shoaling exists along the entire left channel line with a width of approximately 20 feet until approximately 200 feet seaward from the end of the channel. Starting from this point, at 200 feet seaward from the end of the channel, shoaling exists across the entire channel width until the end of the channel.
- One spot shoal is located in the Middle 80% of the channel approximately 350 feet seaward from the end of the channel with a width of approximately 15 feet.
- Shoaling exists along the right channel line with a width of approximately 10 feet from approximately 270 feet seaward of the end of the channel to approximately 200 feet seaward from the end of the channel. Starting from this point, shoaling exists across the entire channel width until the end of the channel.