REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE *(ER 1130-2-306)*	PAGE 1 OF 1 DATE 2 July 2012

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:
Great Kills Harbor, Staten Island, New York

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)	LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
Reach A: Commences at entrance of the channel approximately 500 feet seaward of RED NUN #2; to approximately 60 feet seaward of RED NUN #10 at channel's first bend.	Map 51; Pgs 1 & 2 of 4; 31 May, 1,5,11 & 13 June 2012	150	0.86	10	+8.0	+8.4	+8.5
Reach B: From approximately 60 feet seaward of RED NUN #10 at channel's first bend; to end of channel approximately 45 feet seaward of DANGER BUOY	Map 51; Pgs 2 & 3 of 4; 31 May, 1,5,11 & 13 June 2012	150 - 200	0.75	10	9.2	10.4	+1.9

NAME OF CHANNEL	DATE OF SURVEY	WIDTH (feet)	AREA (acres)	DEPTH (feet)	MINIMUM DEPTHS IN CHANNEL
Reach C: Anchorage area located along the east side of the channel. The anchorage commences from approximately 445 feet landward of RED NUN #10; to a point approximately 475 feet landward of DANGER BUOY	Map 51; Pgs 2-4 of 4; 31 May, 1,5,11 & 13 June 2012	Irregular	140	8	+6.7

REMARKS:

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

GREAT KILLS HARBOR

- **Reach A:** Shoaling exists beginning approximately at RED NUN #2 and extends approximately 900 feet landward covering much of the Right Outside Quarter and into the Middle Half of the channel having a maximum width of approximately 60 feet. Severe shoaling with portions above the waterline also exists across the channel's entire width beginning approximately 800 feet landward of RED NUN #4 and extends to a point approximately 50 feet seaward of RED NUN #8, with shoaling continuing in portions of the Middle Half and Right Outside Quarter of the channel until the end of the reach.

- **Reach B:** Severe shoaling above the waterline exists across approximately half of the Right Outside Quarter of the channel for approximately the first 500 feet of this Reach B. Shoaling also exists in the Left Outside Quarter of the channel beginning approximately 840 feet landward of RED NUN #10 and extends landward approximately 490 feet.

- **Reach C:** Major shoaling exists along the beach wall on the south (seaward) side of this anchorage area.