

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

PAGE 1 **OF** 1

DATE 12 March 2013

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

**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: Commences at entrance of the channel approximately 520 feet seaward of RED NUN #2; to approximately 70 feet seaward of RED NUN #10 at channel's first bend.	Map 52; Pgs 1 & 2 of 4; 10-18 January 2013	150	0.86	10	+9.8	+10.4	+10.8
Reach B: From approximately 70 feet seaward of RED NUN #10 at channel's first bend; to end of channel approximately 60 feet seaward of DANGER BUOY	Map 52; Pgs 2 & 3 of 4; 10-18 January 2013	150 - 200	0.75	10	8.3	10.3	+2.5
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 420 feet landward of RED NUN #10; to a point approximately 445 feet landward of DANGER BUOY.	Map 52; Pgs 2-4 of 4; 10-18 January 2013	Irregular	140	8	+5.4		

REMARKS:

- All depths in Mean Lower Low Water (MLLW)
- Channel Length is in nautical miles
- Survey coverage exists for as much as approximately 1,950 feet outside the western channel limit of Reach A
- Survey coverage exists for as much as approximately 360 feet outside the eastern channel limit of Reach A
- Survey coverage exists for as much as approximately 1,400 feet outside the western channel limit of Reach B
- Survey coverage exists for as much as approximately 180 feet outside the eastern channel limit of Reach B

GREAT KILLS HARBOR

- **Reach A:** Shoaling exists beginning approximately at RED NUN #2 and extends approximately 950 feet landward covering much of the Right Outside Quarter and into the Middle Half of the channel having a maximum width of approximately 70 feet. Shoaling exists in the Right Outside Quarter beginning approximately 340 feet landward of RED NUN #4 and spans across the width of the channel at approximately 830 feet landward of RED NUN #4. Severe shoaling with portions above the waterline also exists across the channel's entire width beginning approximately 1,200 feet landward of RED NUN #4 and extends to a point approximately 660 feet seaward of RED NUN #8. Shoaling across the channel's entire width continues to a point approximately 100 feet seaward of RED NUN #8, at which point it continues landward 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 the width 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 850 feet seaward of GREEN CAN #11 and extends landward approximately 510 feet.
- **Reach C:** Major shoaling exists along the beach wall on the south (seaward) side of this anchorage area having a maximum width of approximately 130 feet.

