

<b>REPORT OF CHANNEL CONDITIONS</b> <b>100 TO 400 FEET WIDE</b>	<b>PAGE 1 OF 1 PAGE</b>
	<b>DATE</b> 29 July 2016

<b>TO:</b> The Record	<b>FROM:</b> U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090
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<b>RIVER/HARBOR NAME AND STATE:</b> Great Kills Harbor, Staten Island, New York	<b>MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD</b>
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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)			
<b>Reach A:</b> Commences at entrance of the channel at the approximate location of RED/WHITE LIGHTED DAY MARKER; to a point approximately 80 feet seaward of RED NUN #10 at channel's first bend.	Map 59; Pgs 1 & 2 of 4; 14, 18, 20, 21 April 2016	150	0.86	10	8.6	+4.6	+7.9
<b>Reach B:</b> From a point approximately 80 feet seaward of RED NUN #10 at channel's first bend; to end of channel approximately 35 feet seaward of DANGER BUOY.	Map 59; Pgs 2 & 3 of 4; 14, 18, 20, 21 April 2016	150 - 200	0.75	10	7.9	9.9	3.4

NAME OF CHANNEL	DATE OF SURVEY	WIDTH (feet)	AREA (acres)	DEPTH (feet)	MINIMUM DEPTHS IN CHANNEL
<b>Reach C:</b> Anchorage area located along the east side of the channel. The anchorage commences from approximately 400 feet landward of RED NUN #10; to a point approximately 420 feet landward of DANGER BUOY.	Map 59; Pgs 2 - 4 of 4; 14, 18, 20, 21 April 2016	Irregular	140	8	+6.5

**REMARKS:**

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

**GREAT KILLS HARBOR**

- Reach A:** Shoaling exists in the Right Outside Quarter commencing approximately 840 feet landward of RED NUN #4 and widens into the channel's Middle Half and Left Outside Quarter, having a maximum width of approximately 125 feet. The shoal thence tapers into the Right Outside Quarter along the channel's toe and has a total length of approximately 1,775 feet. Positive elevations exist in the Right Outside Quarter and Middle Half of the channel within these parameters. Spot shoals also exist in the Left Outside Quarters and Middle Half of the channel within the approximate parameters of 250 feet landward of RED NUN #6 and the approximate location of RED NUN #8.
- Reach B:** Shoaling exists along the channel's toe in the Right Outside Quarter commencing at the approximate location of the beginning of the reach, and continues approximately 490 feet landward, having a maximum width of approximately 20 feet. Another shoal exists in the Left Outside Quarter commencing approximately 405 feet landward of GREEN/WHITE LIGHTED DAY MARKER and widens into the Middle Half of the channel having a maximum width of approximately 50 feet. The total length of this shoal is approximately 615 feet.
- Reach C:** Shoaling consisting of positive elevations exists along the entire southern boundary of the anchorage area. Spot shoaling exists in the western portion of the anchorage area commencing approximately 515 feet landward of RED NUN #12 and continues approximately 300 feet landward.