

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE**

PAGE 1 OF 2 PAGES

DATE 03 August 2018

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 535 feet seaward of RED NUN #2; to a point approximately 60 feet seaward of RED NUN #10 at channel's first bend.	Map 61; Pgs 1 & 2 of 4; 25, 26 April 2018, 1, 5 May 2018	150	0.86	10	+2.1	+8.3	+8.9
Reach B: From a point approximately 60 feet seaward of RED NUN #10 at channel's first bend; to end of channel approximately 4,480 feet landward of RED NUN #10 EBB.	Map 61; Pgs 2 & 3 of 4; 25, 26 April 2018, 1, 5 May 2018	150 - 200	0.75	10	6.9	9.3	0.5
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 435 feet landward of RED NUN #10; to a point approximately 4,950 feet landward of RED NUN #10.	Map 61; Pgs 2 - 4 of 4; 25, 26 April 2018, 1, 5 May 2018	Irregular	140	8	+7.4		

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 along the channel's toe from approximately 375 feet landward of RED NUN #2 to approximately 650 feet landward of the same. A large shoal consisting of positive elevations is present across the channel's entire width, at its widest, from approximately 790 feet landward of RED NUN #4, to approximately 100 feet landward of RED NUN #8. A shoal exists in the Left Outside Quarter and extends to the center of the Middle Half of the channel from approximately 45 feet seaward of GREEN CAN #9 to approximately 20 feet landward of the same. Its maximum width is approximately 65 feet. Another shoal is present in the Right Outside Quarter and extends into the Middle Half of the channel from approximately 95 feet seaward of RED NUN #10 to approximately 60 feet landward of the same. Its maximum width is approximately 60 feet. The controlling depth of +8.9 feet is located in the Right Outside Quarter at the approximate location of RED NUN #6 EBB.
- **Reach B:** A shoal exists in the Left Outside Quarter and extends into the Middle Half of the channel from approximately 835 feet landward of the RED NUN #10 to approximately 1,450 feet landward of the same, having with a maximum width of approximately 45 feet. A shoal is also present in the Left Outside Quarter from approximately 935 feet seaward from the landward terminus of this reach, to approximately 845 feet seaward of the same. A shoal is present in the center of Left Outside Quarter and into the Middle Half of the channel from approximately 1,055 feet seaward from the landward terminus of this reach. It has the approximate dimensions of 65 feet by 25 feet.

GREAT KILLS HARBOR

A shoal exists along the channel's toe in the Right Outside Quarter of the channel for approximately the first 510 feet of this reach.

A shoal also exists in the Right Outside Quarter from approximately 430 feet seaward from the landward terminus, to approximately 350 feet seaward of the same.

The controlling depth of -0.5 feet is located within the Right Outside Quarter of this reach at the approximate location of 240 feet landward of RED NUN #10.

- **Reach C:** Shoaling from Reach B, consisting of positive elevations, extend into Reach C along the southern boundary of the anchorage for approximately 965 feet with a maximum width of approximately 140 feet. Spot shoaling exists intermittently around the anchorage. The controlling depth of +7.4 feet within this reach is located near the Southern boundary of the anchorage at approximately 200 feet landward of the northwestern boundary of the anchorage.