

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

PAGE 1 OF 1 PAGE

DATE 08 June 2021

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 540 feet seaward of NUN #2 EBB to a point approximately 130 feet seaward of RED NUN #10 EBB at channel's first bend.	File No. 5052/N1-N3; Pgs 1 & 2 of 4; 26 April 2021, 3, 6, 10, 12-13 May 2021	150	0.86	10	+8.3	+9.9	+10.3
Reach B: From a point approximately 130 feet seaward of RED NUN #10 EBB at channel's first bend to end of channel approximately 1,810 feet landward of RED NUN #14 FLOOD.	File No. 5052/N1-N3; Pgs 2 & 3 of 4; 26 April 2021, 3, 6, 10, 12-13 May 2021	150 - 200	0.75	10	6.4	9.2	+1.7
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 510 feet landward of the beginning of Reach B; to a point approximately 4,010 feet landward.	File No. 5052/N1-N3; Pgs 2-4 of 4; 26 April 2021, 3, 6, 10, 12-13 May 2021	Irregular	140	8	+8.4		

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 along the channel toe of the Right Outside Quarter, for much of this reach.
 - A large shoal, including an area of positive elevations across the channel's entire width commencing in the vicinity of RED NUN #4 FLOOD, exists throughout the channel for a portion of this reach.
 - A controlling depth of +10.3 feet MLLW exists in the Right Outside Quarter of the channel approximately 1,575 feet landward of RED NUN #4 FLOOD.
- **Reach B:**
 - Shoaling exists along the channel toe in the Right Outside Quarter and the Left Outside Quarter extending into the Middle Half of this reach.
 - A controlling depth of +1.7 feet MLLW exists in the Right Outside Quarter of the channel approximately 195 feet landward of RED NUN # 10 EBB
- **Reach C:**
 - Shoaling from Reach B extends into Reach C along the entire Southern boundary of this reach.
 - Shoaling exists in the western corner of the reach.
 - A controlling depth of +8.4 feet MLLW exists near the Southern boundary of the channel approximately 135 feet east of the beginning of this reach.

