

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

DATE 03 April 2024

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 2,155 feet seaward of RED NUN #4 FLOOD to a point approximately 60 feet seaward of RED NUN #10 FLOOD at channel's first bend.	File No. 5416/N2 Pgs. 2 & 3 of 6; 6-8, 28 & 29 Feb 2024 and 4, 20, 25 & 28 Mar 2024	150	0.9	10	+9.4	+11.4	+13.3
Reach B: From a point approximately 60 feet seaward of RED NUN #10 FLOOD at channel's first bend to end of channel approximately 340 feet landward of RED NUN #16 EBB.	File No. 5416/N2 Pgs. 3 - 5 of 6; 6-8, 28 & 29 Feb 2024 and 4, 20, 25 & 28 Mar 2024	150 - 200	0.8	10	5.8	9.1	+3.9
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 is an irregular area commencing from approximately 495 feet landward of the beginning of Reach B to the end of the same.	File No. 5416/N2 Pgs. 4 - 6 of 6; 6-8, 28 & 29 Feb 2024 and 4, 20, 25 & 28 Mar 2024	Irregular	140	8	+10.6		

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 of the Right Outside Quarter for most of the quarter which extends slightly into the Right Inside Quarter approximately 1,210 feet seaward of RED NUN #4 FLOOD.
 - Beginning approximately 850 feet landward of RED NUN #4 FLOOD; a large shoal, including an area of positive elevations across the channel's entire width exists throughout the channel for most of the second half of the reach, where the toe of the beach sticks out.
 - A controlling depth of +13.3 feet MLLW exists in the Right Outside Quarter of the channel approximately 100 feet landward of RED NUN #6 FLOOD.
- Reach B:
 - Shoaling exists along the Right Outside Quarter at the beginning this reach and again starting approximately 250 feet landward of RED NUN #14 EBB.
 - Shoaling exists along the Left Outside and Inside Quarters beginning approximately 850 seaward of GRREN CAN #11 EBB and extends approximately 750 feet landward.
 - A controlling depth of +3.9 feet MLLW exists in the Right Outside Quarter approximately 375 feet landward of RED NUN #10 FLOOD.
- Reach C:
 - Shoaling from Reach B extends into Reach C along the entire southern boundary of this reach.
 - Shoaling exists in the western portion of the reach and extends towards the center of the reach.
 - A controlling depth of +10.6 feet MLLW exists near the seaward intersect of Reach B and Reach C, close to Reach B's controlling depth.