

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE

PAGE 1 OF 1 PAGE

DATE 09 August 2022

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 RED NUN #2 EBB to a point approximately 90 feet seaward of RED NUN #10 FLOOD at channel's first bend.	File No. 5177/N1/N4/A L; Pgs 1 & 2 of 5; 2, 21-23, 27 June, 5-7 July 2022	150	0.86	10	+8.1	+10.9	+12.0
Reach B: From a point approximately 90 feet seaward of RED NUN #10 FLOOD at channel's first bend to end of channel approximately 355 feet landward of RED NUN #16 FLOOD.	File No. 5177/N1/N4/A L; Pgs 2-4 of 5; 2, 21-23, 27 June, 5-7 July 2022	150 - 200	0.75	10	6.1	9.1	+2.3
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 510 feet landward of the beginning of Reach B to the end of the same.	File No. 5177/N1/N4/A L; Pgs 3-5 of 5; 2, 21-23, 27 June, 5-7 July 2022	Irregular	140	8	+8.3		

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 exists throughout the channel for most of the second half of the reach.
 - A controlling depth of +12.0 feet MLLW exists in the Right Outside Quarter of the channel approximately 400 feet landward of RED NUN #6 EBB.
- 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 +2.3 feet MLLW exists in the Right Outside Quarter of the channel approximately 240 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.
 - A controlling depth of +8.3 feet MLLW exists near the southern boundary of the anchorage approximately 515 feet east of FIXED ATON.