

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE					PAGE 1 OF 2 PAGES		
					DATE		
					27 June 2019		
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 3,000 feet landward of RED NUN #4 at channel's first bend.	Map 62; Pgs 1 & 2 of 4; 8-16 April 2019	150	0.86	10	+4.1	+8.1	+8.6
Reach B: From a point approximately 3,000 feet landward of RED NUN #4 at channel's first bend; to end of channel approximately 4,550 feet landward.	Map 62; Pgs 2 & 3 of 4; 8-16 April 2019	150 - 200	0.75	10	0.4	5.2	+0.4
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 500 feet landward of the beginning of Reach B; to a point approximately 3,975 feet landward.	Map 62; Pgs 2 - 4 of 4; 8-16 April 2019	Irregular	140	8	+7.3		
REMARKS:							
<ul style="list-style-type: none"> All reported depths are relative to the Mean Lower Low Water (MLLW) datum. Channel reach lengths are in nautical miles. 							
GREAT KILLS HARBOR							
<ul style="list-style-type: none"> Reach A: <ul style="list-style-type: none"> Shoaling exists along the toe of the channel in the Right Outside Quarter beginning approximately 165 feet seaward of RED NUN #2 FLOOD until approximately 675 feet seaward of RED NUN #4 FLOOD. A large shoal, including areas of positive elevation exists throughout the entire channel width commencing approximately 825 feet landward of RED NUN #4 FLOOD and continues until approximately 310 feet seaward of the end of the reach, with project depth intermittently available for approximately the last 900 feet. A controlling depth of +8.6 feet MLLW exists in the Right Outside Quarter of the channel approximately 1,450 feet landward of RED NUN #4 FLOOD. Reach B: <ul style="list-style-type: none"> Shoaling exists along the toe of the channel in the Right Outside Quarter from the beginning of the reach until the junction with Reach C, approximately 500 feet landward, with a maximum width of approximately 30 feet. Shoaling exists along the toe of the channel in the Left Outside Quarter and into the Middle Half beginning approximately 875 feet landward of the beginning of the reach and continues approximately 665 feet landward, with a maximum width of approximately 70 feet. Sporadic shoaling exists in the Left Outside Quarter and Middle of the channel from approximately 665 feet seaward of the end of the channel and continues until the end of the channel. A controlling depth of +0.4 feet MLLW exists in the Right Outside Quarter of the channel approximately 425 feet landward of the beginning of the reach. 							

GREAT KILLS HARBOR

- **Reach C:**
 - Shoaling from Reach B, with areas of positive elevation, extend into Reach C along the entire Southern boundary of the reach with a maximum width of approximately 165 feet.
 - Shoaling exists in the Western corner of the reach, with channel width intermittently available throughout, with approximate dimensions of 615 feet by 500 feet.
 - A controlling depth of +7.3 feet MLLW exists near the Southern boundary of the channel approximately 215 feet from the Northwest boundary of the channel.

