

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

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DATE 17 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:

Flushing Bay and Creek, 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 (Main Channel): From deep water in the East River approximately 1,455 feet seaward of RED #4 W/ LIGHT FLOOD to approximately 150 feet landward of GREEN CAN #13	Map 80; Pgs 1-3 of 5; 15-24 May 2018	300 - 245	1.49	15	11.7	14.0	6.9
Reach B (Creek Channel): From approximately 150 feet landward of GREEN CAN #13 to the Whitestone Expressway Bridge	Map 80; Pgs 3-4 of 5; 15-24 May 2018	245 - 135	0.46	15	7.5	14.0	11.5
Reach C (Creek Channel): From the Whitestone Expressway Bridge to a point approximately 1,300 feet landward at the Northern Boulevard Bridge	Map 80; Pg 4 of 5; 15-24 May 2018	200 - 75	0.21	15	8.6	10.5	7.6
Partial Reach D (Creek Channel):* Survey coverage exists from the Northern Boulevard Bridge to a point approximately 300 feet landward	Map 80; Pg 4 of 5; 15-24 May 2018	200 - 75	0.26	15	1.4	6.5	4.3
No Survey Coverage in Reach E (Creek Channel):** From approximately 1,560 feet landward of Northern Boulevard Bridge to the channel's end approximately 420 feet landward	Map 80; Pg 4 of 5; 15-24 May 2018	175-120	0.07	15	No survey coverage exists in this reach.		
Reach F (Branch Channel): Beginning approximately 895 feet seaward of DANGER BUOY W/ LIGHT FLOOD at the initial bend of the Main Channel, extending south into the Maneuvering Area approximately 610 feet	Map 80; Pg 3 of 5; 15-24 May 2018	215	0.10	15	12.0	9.7	7.7
NAME OF CHANNEL		AUTHORIZED PROJECT			MINIMUM DEPTHS IN CHANNEL		
		WIDTH (feet)	AREA (acres)	DEPTH (feet)			
Reach G: Irregularly shaped Maneuvering Area, located adjacent to the Reach B portion of the Creek Channel as well as the end of the Branch Channel, Reach F. Adjacent to the south of the Reach I Maneuvering Area and Reach H	Map 80; Pgs 3 & 5 of 5; 15-24 May 2018	Irregular	25.6	15	4.6		
Reach H: Triangular Maneuvering Area located adjacent to, and south of, the Reach G Maneuvering Area	Map 80; Pg 5 of 5; 15-24 May 2018	Irregular	1.0	12	5.9		
Reach I: Irregularly shaped Anchorage Basin located adjacent to the Branch Channel, and adjacent to, as well as north of, the Reach G Maneuvering Area	Map 80; Pgs 3 & 5 of 5; 15-24 May 2018	Irregular	47.9	6	1.4		

REMARKS:

- All reported depths are relative to the Mean Lower Low Water (MLLW) datum
 - Channel reach lengths are in nautical miles
- * Survey coverage does not exist in a portion of Reach D due to limited access from barge/construction.
- **Survey coverage does not exist in Reach E.

FLUSHING BAY AND CREEK:

- **Reach A:** Shoaling exists along the Left Outside Quarter, commencing approximately 715 feet seaward of GREEN #5 W/ LIGHT FLOOD and continuing to a point approximately 1,170 feet landward of GREEN CAN #7 FLOOD. The shoal has a maximum width of approximately 65 feet.
Shoaling exists in the Right Outside Quarter, for much of the entire length of this reach. At its widest, the shoal extends across the entire width of the quarter and into the Middle Half of the channel.
The shoaling from the Right Outside Quarter of the channel extends as much as approximately 30 feet into the Middle Half of the channel within the first 410 feet of this reach.
Shoaling from the Right Outside Quarter of the channel extends as much as approximately 20 feet into the Middle Half of the channel between the approximate parameters of 450 feet landward of RED NUN #6 FLOOD and 635 feet landward of RED TOWER # 8 WITH LIGHT.
The controlling depth of -6.9 feet MLLW exists at approximately 1,115 feet seaward from RED NUN #10 FLOOD in the Right Outside Quarter.
- **Reach B:** Shoaling exists in the Left Outside Quarter into the Middle Half of the channel, commencing approximately 30 feet landward of the seaward terminus of this reach, and continuing to a point approximately 640 feet landward of GREEN CAN #17 FLOOD. The shoal has a maximum width of approximately 65 feet.
Shoaling exists in the Left Outside Quarter into the Middle Half of the channel for approximately the last 825 feet of this reach. The shoal has a maximum width of approximately 90 feet.
Shoaling exists in the Right Outside Quarter into the Middle Half of the channel commencing approximately 250 feet seaward of RED NUN #18 FLOOD and continuing landward to the end of the reach. The shoal has a maximum width of approximately 85 feet.
The controlling depth of -7.5 feet MLLW is located in the Left Outside Quarter at a point approximately 100 feet seaward of the landward terminus of this reach.
- **Reach C:** Shoaling exists in the Left Outside Quarter into the Middle Half of the channel, commencing at the seaward terminus of the reach and continues for approximately 1,365 feet landward. Shoaling is present in the Right Outside Quarter into the Middle Half of the channel, commencing at the seaward terminus of the reach and continues for approximately 1,215 feet landward. The controlling depth of -7.6 feet MLLW is located in the Right Outside Quarter at a point approximately 635 feet seaward of the landward terminus of this reach.
- **Partial Reach D:** Shoaling exists throughout the entire width of the channel for this entire partial reach. The controlling depth of -1.4 feet MLLW is located in the Left Outside Quarter at a point approximately 175 feet landward of the seaward terminus of this reach.
- **Reach E:** No survey coverage exists in this reach.
- **Reach F:** Shoaling exists throughout the majority of this entire reach. The controlling depth of -7.7 feet MLLW is located in the Right Outside Quarter at a point approximately 270 feet seaward of DANGER BUOY W/ LIGHT FLOOD.
- **Reach G:** Shoaling exists throughout the majority of this entire reach. The controlling depth of -4.6 feet MLLW exists at the southern boundary of this reach closest to GREEN CAN #1 FLOOD.
- **Reach H:** Shoaling exists throughout this entire reach. The controlling depth of -5.9 feet MLLW exists at approximately 65 feet seaward from the southwestern boundary of this reach.
- **Reach I:** Shoaling exists throughout the majority of this reach. The controlling depth of -1.4 feet MLLW exists at the northern corner of this anchorage.