

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-306)

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DATE 22 Nov 2013

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 1,460 feet seaward of RED LIGHT #4 to approximately 90 feet landward of GREEN CAN #13	Map 71; Pgs 1-3 of 5; 11-13 Aug 2013	300 - 200	1.47	15	12.5	14.2	8.6
Reach B (Creek Channel): From approximately 90 feet landward of GREEN CAN #13 to the Whitestone Parkway Bridge, approximately 1,700 feet landward of RED NUN #18	Map 71; Pgs 3-4 of 5; 11-13 Aug 2013	200 - 135	0.45	15	8.3	12.7	4.0
Reach C (Creek Channel): From the Whitestone Parkway Bridge, approximately 1,700 feet landward of RED NUN #18, to a point approximately 1,300 feet landward at the Northern Boulevard Bridge	Map 71; Pg 4 of 5; 11-13 Aug 2013	200 - 75	0.21	15	0.7	10.7	4.3
Reach D (Creek Channel): From the Northern Boulevard Bridge to a point approximately 1,650 feet landward (approximately 550 feet landward of the Van Wyck Expressway Bridge)	Map 71; Pg 4 of 5; 11-13 Aug 2013	200 - 75	0.26	15	+1.7	+1.2	+2.2
Reach E (Creek Channel): From approximately 1,650 feet landward of Northern Boulevard Bridge and extend to the end for approximately 375 feet.	Map 71; Pg 4 of 5; 11-13 Aug 2013	175-125	0.12	15	No channel depths reported for this reach.		
Reach F (Branch Channel): Beginning at approximately 125 feet landward of RED NUN #12 W/LIGHT at the initial bend of the Main Channel, extending south into the Maneuvering Area, and ending approximately at RED NUN #2	Map 71; Pg 3 of 5; 11-13 Aug 2013	200	0.06	15	12.9	11.3	8.6

REMARKS:

- All depths in Mean Lower Low Water (MLLW)
- Channel Length is in nautical miles

FLUSHING BAY AND CREEK:

- **Reach A:** Shoaling exists in the Right Outside Quarter of the channel beginning approximately 1,460 ft. seaward of RED LIGHT #4 to approximately 950 ft. seaward of RED NUN #12 W/LIGHT. Another shoal exists in the Right Outside Quarter of the channel beginning approximately 600 ft. seaward of RED NUN #12 W/LIGHT to approximately 125 ft. landward of RED NUN #12 W/LIGHT. Shoaling exists in the Left Outside Quarter of the channel beginning approximately 700 ft. seaward of GREEN LIGHT #5 to approximately 675 ft. seaward of GREEN CAN #9. Another shoal exists in the Left Outside Quarter of the channel beginning approximately 150 ft. seaward of GREEN CAN #11 to approximately 175 ft. seaward of GREEN CAN #13.
- **Reach B:** Shoaling exists in the Left Outside Quarter of the channel beginning approximately 90 ft. landward of GREEN CAN #13 to approximately 775 ft landward of GREEN CAN #17. Another shoal exists in the Right Outside Quarter of the channel beginning approximately 400 ft. seaward of RED NUN #18 and extends toward the end of this reach at Whitestone Parkway Bridge. Shoaling exists in Right Outside Quarter of the channel beginning approximately 400 ft. seaward of RED NUN #18 and extends toward the end of this reach at Whitestone Parkway Bridge.
- **Reach C:** Channel wide shoaling begins approximately at Whitestone Parkway Bridge and extends approximately 375 ft. landward. Shoaling continues on the Left Outside Quarter and Right Outside Quarter of the channel beginning approximately 375 ft. landward of Whitestone Parkway Bridge and extends toward the end of this reach at Northern Boulevard Bridge.
- **Reach D:** Shoaling exists throughout this entire reach.
- **Reach E:** No channel depths reported for this reach.
- **Reach F:** Shoaling exists in the Right Outside Quarter of the channel beginning approximately 125 ft. landward of RED NUN #12 and spreads toward the entire width of this reach ending approximately at 25 ft. landward of RED NUN #2.

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NAME OF CHANNEL	DATE OF SURVEY	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. Adjacent to Reach I Maneuvering Area.	Map 71; Pgs 3 & 5 of 5; 11-13 Aug 2013	Irregular	25.6	15	6.7
Reach H: Triangular Maneuvering Area located adjacent to, and south of, the Reach G Maneuvering Area. Reach H begins approximately 1,400 feet southwest of GREEN CAN #1	Map 71; Pg 5 of 5; 11-13 Aug 2013	Irregular	1.0	12	3.7
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 71; Pgs 3 & 5 of 5; 11-13 Aug 2013	Irregular	47.8	6	1.9

REMARKS:

- All depths in Mean Lower Low Water (MLLW)
- Channel Length is in nautical miles

FLUSHING BAY AND CREEK:

- **Reach G:** Shoaling exists throughout the majority of this reach.
- **Reach H:** The entire area is shoaled in.
- **Reach I:** Shoaling exists throughout the majority of this reach.