

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

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DATE 17 MAR 2015

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 1,465 feet seaward of RED NUN #4 to approximately 110 feet landward of GREEN CAN #13	Map 74; Pgs 1-3 of 5; 3-5, 11, 12 February 2015	300	1.49	15	12.0	13.8	6.8
Reach B (Creek Channel): From approximately 110 feet landward of GREEN CAN #13 to the Whitestone Parkway Bridge, approximately 150 feet landward of the DANGER BUOY on the north side of the channel	Map 74; Pgs 3-4 of 5; 3-5, 11, 12 February 2015	400 - 135	0.47	15	7.1	12.3	4.6
Reach C (Creek Channel): From the Whitestone Parkway Bridge, approximately 150 feet landward of the DANGER BUOY on the north side of the channel, to a point approximately 1,200 feet landward at the Northern Boulevard Bridge	Map 74; Pg 4 of 5; 3-5, 11, 12 February 2015	200 - 75	0.21	15	6.9	10.6	3.1
Reach D (Creek Channel): From the Northern Boulevard Bridge to a point approximately 1,650 feet landward	Map 74; Pg 4 of 5; 3-5, 11, 12 February 2015	200 - 75	0.26	15	+1.6	+1.3	+2.5
Reach E (Creek Channel): From approximately 1,650 feet landward of Northern Boulevard Bridge to the channel's end approximately 415 feet landward	Map 74; Pg 4 of 5; 3-5, 11, 12 February 2015	175-125	0.06	15	No channel depths reported for this reach.		
Reach F (Branch Channel): Beginning approximately 110 feet landward of RED DAY MARKER #12 W/ LIGHT at the initial bend of the Main Channel, extending south into the Maneuvering Area approximately 525 feet	Map 74; Pg 3 of 5; 3-5, 11, 12 February 2015	200	0.09	15	12.5	10.5	8.1

REMARKS:

- All depths are in reference to 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 1,465 feet seaward of RED NUN #4 to approximately 740 feet landward of RED NUN #10. It becomes as wide as the quarter's width, and extends into the Middle Half in certain locations. Another shoal exists in the Right Outside Quarter of the channel beginning approximately 560 feet seaward of RED DAY MARKER #12 W/ LIGHT to approximately 110 feet landward of RED DAY MARKER #12 W/ LIGHT. Shoaling exists in the Left Outside Quarter of the channel beginning approximately 695 feet seaward of GREEN #5 W/LIGHT to approximately 1,125 feet landward of GREEN CAN #7. Another shoal exists in the Left Outside Quarter of the channel beginning approximately 120 feet seaward of GREEN CAN #11 to approximately 60 feet seaward of GREEN CAN #13.
- **Reach B:** Shoaling exists in the Left Outside Quarter of the channel beginning approximately 100 feet landward of GREEN CAN #13 to approximately 600 feet landward of GREEN CAN #17. Shoaling begins again in the Left Outside Quarter approximately 425 feet seaward of the DANGER BUOY on the north side of the channel and continues to the end of this reach at the Whitestone Parkway Bridge. Another shoal exists in the Right Outside Quarter of the channel beginning approximately 800 feet seaward of RED NUN #18 and extends toward the end of this reach at Whitestone Parkway Bridge. These shoals become as wide as the quarter's width, and at times extend into the channel's Middle Half.
- **Reach C:** Channel wide shoaling begins approximately at the Whitestone Parkway Bridge and extends approximately 450 feet landward. Thence, shoaling continues in the Left Outside Quarter and Right Outside Quarter of the channel and extends to the end of this reach at Northern Boulevard Bridge. Channel wide shoaling begins again approximately 55 feet seaward from the Northern Boulevard Bridge and extends into Reach D.
- **Reach D:** Shoaling exists throughout this entire reach.
- **Reach E:** No channel depths reported for this reach.
- **Reach F:** Shoaling exists throughout this entire reach.

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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, Reach F. Adjacent to the south of the Reach I Maneuvering Area and Reach H.	Map 74; Pgs 3 & 5 of 5; 3-5, 11, 12 February 2015	Irregular	25.6	15	5.1
Reach H: Triangular Maneuvering Area located adjacent to, and south of, the Reach G Maneuvering Area. Reach H begins approximately 1,425 feet southwest of GREEN CAN #1	Map 74; Pg 5 of 5; 3-5, 11, 12 February 2015	Irregular	1.0	12	2.6
Reach I (Partial): Survey coverage exists along the eastern edge of this irregularly shaped Anchorage Basin located adjacent to the Branch Channel, and adjacent to, as well as north of, the Reach G Maneuvering Area	Map 74; Pgs 3 & 5 of 5; 3-5, 11, 12 February 2015	Irregular	47.9	6	2.3

REMARKS:

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

FLUSHING BAY AND CREEK:

- **Reach G:** Shoaling exists throughout this entire reach.
- **Reach H:** Shoaling exists throughout this entire reach.
- **Reach I (Partial):** Shoaling exists throughout the majority of this partial reach.