

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

**PAGE** 1 **OF** 2

**DATE** 8 June 2012

**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)			
<b>Reach A (Main Channel):</b> From deep water in the East River approximately 1,460 feet seaward of RED NUN #4 W/LIGHT to approximately 90 feet landward of GREEN CAN #13	Map 70; Pgs 1-3 of 5; 4,5,7 May 2012	300 - 200	1.47	15	12.8	13.2	7.8
<b>Reach B (Creek Channel):</b> From approximately 90 feet landward of GREEN CAN #13 to the Whitestone Parkway Bridge, approximately 1,700 feet landward of RED NUN #18	Map 70; Pgs 3-4 of 5; 4,5,7 May 2012	200 - 135	0.45	15	6.9	12.7	7.2
<b>Reach C (Creek Channel):</b> 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 70; Pg 4 of 5; 4,5,7 May 2012	200 - 75	0.21	15	6.1	10.5	5.1
<b>Reach D (Creek Channel):</b> From the Northern Boulevard Bridge to a point approximately 1,580 feet landward (approximately 550 feet landward of the Van Wyck Expressway Bridge)	Map 70; Pg 4 of 5; 4,5,7 May 2012	200 - 75	0.26	15	+0.7	+1.1	+2.3
<b>Reach F (Branch Channel):</b> Beginning at approximately 120 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 70; Pg 3 of 5; 4,5,7 May 2012	200	0.12	15	12.9	11.7	9.5

**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 for almost the entire length of this reach. Shoaling also exists in the Left Outside Quarter for approximately 3300 feet, beginning approximately 600 feet seaward of GREEN LIGHT #5. There is also shoaling in the Left Outside Quarter, beginning approximately 110 feet seaward of GREEN CAN #11, for approximately 1200 feet. Project depth is available for the majority of the Middle Half of the channel in this reach.
- **Reach B:** Shoaling exists in Right Outside Quarter for the majority of this reach beginning approximately 350 feet seaward of RED NUN #18. Shoaling exists in the Left Outside Quarter from the beginning of the reach to approximately 500 feet landward of RED NUN #18; and from 450 feet seaward of the Whitestone Parkway Bridge to the end of the reach. Shoaling exists in the Middle Half of the channel approximately 350 feet landward of RED NUN #18. Shoaling exists sporadically across much of the Middle Half of the channel beginning approximately 150 feet seaward of Whitestone Parkway Bridge and extends seaward throughout the reach.
- **Reach C:** The majority of this reach is shoaled in across the width of the channel, except for an approximate 800 foot long stretch where project depth is available for the majority of the Middle Half of the channel. This 800 foot long stretch begins approximately 400 feet landward of the Whitestone Parkway Bridge and extends landward.
- **Reach D:** Shoaling exists throughout this entire reach.
- **Reach F:** Shoaling exists throughout the majority of the reach, except for a portion of the Middle Half and Left Outside Quarter of the channel at the beginning of this reach where project depth is available. Project depth is also available for approximately the first 50 feet of the Right Outside Quarter of this reach.

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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			MINIMUM DEPTHS IN CHANNEL
		WIDTH (feet)	AREA (Acres)	DEPTH (feet)	
<b>Reach G:</b> Irregularly Shaped Maneuvering Area, located adjacent to the Reach B portion of the Creek Channel as well as the end of the Branch Channel.	Map 70; Pgs 3 & 5 of 5; 4,5,7 May 2012	Irregular	25.6	15	7.0
<b>Reach H:</b> 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 70; Pg 5 of 5; 4,5,7 May 2012	Irregular	1.0	12	4.8
<b>Reach I:</b> Irregularly shaped Anchorage Basin located adjacent to the Branch Channel, and adjacent to, as well as north of, the Reach G Maneuvering Area.	Map 70; Pgs 3 & 5 of 5; 4,5,7 May 2012	Irregular	47.8	6	1.8

**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:** Shoaling exists throughout virtually this entire reach.
- **Reach I:** Shoaling exists throughout much of this reach. There are several areas throughout the anchorage, mainly in the northwest portion of this reach, where project depth is available.