

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER**

PAGE

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OF

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DATE

17 January 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:
East River, South Brother Island Channel, New York

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
Reach M (South Brother Channel): Beginning approximately 30 feet seaward of GREEN CAN #7 and 400 feet seaward of GREEN #1 w/LIGHT, continuing 5170 feet landward to the start of the turning basin at the locations of GREEN & RED "RI" and GREEN LIGHT #7	File 196, Sheets 1-2 of 2. 27 November, 10 December 2018	400-1600	0.79	35	30.3	29.8	30.1	31.1
Reach N (Turning Basin at Astoria Waterfront): A turning basin 1000 feet wide beginning at the locations of GREEN & RED "RI" and GREEN LIGHT #7 and continuing 1,400 feet landward to the end of the channel, 60 feet landward of GREEN CAN #9.	File 196, Sheet 2 of 2. 27 November, 10 December 2018	675 - 1000	0.26	35	34.2	33.2	35.5	34.7

REMARKS:

- All depths are relative to Mean Lower Low Water (MLLW).
- Channel reach lengths are in nautical miles.
- All distances and dimensions are approximate.

EAST RIVER, SOUTH BROTHER ISLAND CHANNEL

Reach M:

- Shoaling exists in the Left Outside, Left Inside and Right Inside Quarters commencing in the approximate vicinity of GREEN & RED JUNCTION CAN EBB. Shoaling continues landward, extending into the Right Outside Quarter approximately 165 feet landward of RED LIGHT #2 EBB, with project depth available intermittently throughout, until approximately 535 feet landward of RED NUN #4.
- Shoaling exists across the Left Outside and Left Inside Quarters commencing at approximately 550 feet landward of GREEN #5 W/LIGHT EBB, and extending approximately 595 feet landward with an approximate maximum width of 145 feet.
- The controlling depth of -29.8 feet MLLW exists in the Left Inside Quarter approximately 280 feet landward of GREEN & RED JUNCTION CAN EBB.

Reach N:

- A spot shoal exists along the channel toe of the Right Outside Quarter commencing approximately 320 feet landward of GREEN & RED "RI" EBB and extending approximately 15 feet landward with an approximate maximum width of 10 feet.
- Edge shoaling approximately 100 feet long by approximately 15 feet wide exists at the beginning of the reach in the vicinity of GREEN AND RED "RI" EBB in the Left and Right Inside Quarters.
- Shoaling exists along the channel toe of the Left Outside Quarter commencing approximately 680 feet landward of GREEN #7 W/LIGHT EBB and extending approximately 40 feet landward with an approximate maximum width of 5 feet.
- The controlling depth of -33.2 feet MLLW exists in the Left Inside Quarter approximately 70 feet landward of GREEN & RED "RI" EBB.

