

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

PAGE

1

OF

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DATE

5 February 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:
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 5,170 feet landward to the start of the turning basin at the locations of GREEN / RED "RI" and GREEN #7 W/LIGHT	File 193, Sheets 1-2 of 2. 7- 8 December 2017	400- 1,600	0.79	35	32.9	32.3	32.8	33.2
Reach N (Turning Basin at Astoria Waterfront): A turning basin 1,000 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, 15 feet landward of GREEN CAN #9.	File 193, Sheets 2 of 2. 7- 8 December 2017	675 - 1,000	0.26	35	34.2	33.2	35.3	34.4

REMARKS:

- All depths are relative to Mean Lower Low Water (MLLW) Datum.
- 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 of the channel, beginning in the approximate vicinity of GREEN / RED JUNCTION FLOOD. Shoaling continues landward, extending into the Right Outside Quarter approximately 340 feet landward of RED #2 W/LIGHT FLOOD, with project depth available intermittently throughout as shoaling continues, until approximately 475 feet landward of RED NUN #4 FLOOD. Spot shoaling exists in the Left Outside Quarter of the channel, approximately 595 feet seaward of GREEN #7 W/LIGHT FLOOD, and continues until approximately 110 feet seaward.
- **Reach N:** Small edge shoals exist along the toe of the west side of the basin in the Left Inside and Right Inside Quarters, between GREEN / RED "RI" FLOOD and GREEN #1 FLOOD.

