

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

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DATE 29 December 2020

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 EBB and 290 feet seaward of GREEN #1 W/ LIGHT EBB, to a point 55 feet landward of GREEN #7 W/ LIGHT EBB.	File 5010, Sheets 1 to 2 of 2. 01 December 2020	400-1600	0.79	35	27.8	27.0	27.9	28.4
Reach N (Turning Basin at Astoria Waterfront): A turning basin 1000 feet wide beginning at the locations of GREEN LIGHT #7 W/ LIGHT EBB and GREEN & RED "R1" EBB and continuing 1,400 feet landward to the end of the channel, 400 feet landward of GREEN CAN #9 EBB.	File 5010, Sheets 2 to 2 of 2. 01 December 2020	675 - 1000	0.26	35	34.3	32.1	35.3	34.5

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 beginning from the Left Outside and Inside Quarters and expanding across all four quarters.
- The controlling depth of -27.0 feet MLLW exists in the Left Inside Quarter approximately 240 feet seaward from GREEN #3 W/ LIGHT EBB.

Reach N:

- Minor toe shoaling and spot shoaling exists in this reach.
- The controlling depth of -32.1 feet MLLW exists in the Left Inside Quarter approximately 75 feet east of GREEN & RED "R1" EBB.