

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

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DATE 06 March 2025

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 55 feet seaward of GREEN CAN #7 FLOOD, continuing landward to the start of the turning basin at 100 feet seaward of GREEN #7 CAN W/ LIGHT FLOOD.	File 5536/D, Sheets 2 - 4 of 5. 14 January 2025	400-1600	0.8	35	34.1	33.8	33.5	33.0
Reach N (Turning Basin at Astoria Waterfront): A turning basin 1,000 feet wide beginning at at 100 feet seaward of GREEN #7 CAN W/ LIGHT FLOOD and continuing 1,400 feet landward to the end of the channel, 40 feet landward of GREEN CAN #9 FLOOD.	File 5536/D, Sheets 4 & 5 of 5. 14 January 2025	675 - 1000	0.3	35	34.4	35.0	35.0	34.4

REMARKS:

- All reported depths are relative to the Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.

EAST RIVER, SOUTH BROTHER ISLAND CHANNEL

Reach M:

- Shoaling exists in all quarters within the middle of this reach.
- The controlling depth of -33.0 feet MLLW exists in the Right Outside Quarter near the channel's toe, approximately 1440 feet landward of RED #2 W/LIGHT FLOOD.

Reach N:

- Toe shoaling exists along this reach. Spot shoals exists in the Right Outside Quarter of this reach near the end of the turning basin.
- The controlling depth of -34.4 feet MLLW exists in the Left Outside Quarter approximately 675 feet seaward of CAN #9 FLOOD. Another controlling depth of -34.4 MLLW exists in the Right Outside Quarter along the toe of the turning basin, at the end of this reach.