

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

TO: The Record	FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090
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RIVER/HARBOR NAME AND STATE: East River, South Brother Island Channel, New York	MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD
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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 FLOOD and 350 feet seaward of GREEN CAN w/LIGHT #1, continuing landward to the start of the turning basin at the locations of GREEN & RED "RI" and GREEN CAN W/ LIGHT #7	File 5143/D/N3, Sheets 1 & 2 of 2. 8-10,16 February 2022	400- 1600	0.79	35	26.3	25.3	26.1	26.8
Reach N (Turning Basin at Astoria Waterfront): A turning basin 1000 feet wide beginning at the locations of GREEN & RED "RI" and GREEN CAN W/ LIGHT #7 and continuing 1,400 feet landward to the end of the channel, 25 feet landward of GREEN CAN #9.	File 5143/D/N3, Sheets 2 of 2. 8-10,16 February 2022	675 - 1000	0.26	35	34.2	31.7	34.7	34.3

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 across most of the reach starting approximately 685 feet landward from the start of the reach. Channelwide shoaling begins approximately 465 feet landward from RED NUN W/ LIGHT #2 FLOOD and continues landward until approximately 100 feet seaward from GREEN LIGHT #5 FLOOD.
- The controlling depth of -25.3 feet MLLW exists in the Left Inside Quarter approximately 200 feet seaward from GREEN CAN W/ LIGHT #3 FLOOD.

Reach N:

- Minor toe shoaling exists along this reach. Spot shoals exists in the Right Outside Quarter of this reach.
- The controlling depth of -31.7 feet MLLW exists in the Left Inside Quarter in the approximate Vicinity of GREEN & RED "RI" FLOOD.