

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

PAGE

1

OF

3

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, Battery to Throgs Neck Bridge, 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 (n miles)	DEPTH (feet)				
Reach A: Starts between Castle Williams (Governors Island) and Castle Clinton (Manhattan) to approximately 1,800 feet seaward of the Brooklyn Bridge	File 5003; Sheet 2 of 10; 4-19 Nov 2020	Varies 1,000 To 1,890	0.92	40	39.8	39.3	39.2	36.4
Reach B: From approximately 1,800 feet seaward of the Brooklyn Bridge to approximately 500 feet landward from the Manhattan Bridge	File 5003; Shts. 2&3 of 10; 4-19 Nov 2020	Varies 1,000 To 1,380	0.67	40	16.0	46.8	39.0	34.2
Reach C: From approximately 500 feet landward from the Manhattan Bridge to approximately 675 feet seaward of the Williamsburg Bridge	File 5003; Sheet 3 of 10; 4-19 Nov 2020	Varies 1,000 To 1,270	0.82	40	35.5	40.9	40.7	37.5
Reach D: From approximately 675 feet seaward of the Williamsburg Bridge to approximately 670 feet seaward of GREEN/RED BUOY 'B' FLOOD.	File 5003; Shts. 3&4 of 10; 4-19 Nov 2020	900	1.82	35	35.8	36.4	34.2	34.0
Reach E: From approximately 670 feet seaward of GREEN/RED BUOY 'B' FLOOD to approximately 500 feet landward of Roosevelt Island.	File 5003; Shts. 4-6 of 10; 4-19 Nov 2020	Varies 550 To 1,000	2.49	35	26.4	39.4	35.2	34.4
Reach F: From approximately 500 feet landward of Roosevelt Island to approximately 1230 feet landward of Hell Gate Bridge.	File 5003; Sheet 6 of 10; 4-19 Nov 2020	Varies 650 To 850	1.23	35	36.1	35.5	35.8	32.0
Reach G: From approximately 1230 feet landward of Hell Gate Bridge to approximately 20 feet landward of GREEN CAN #7 EBB.	File 195, Shts. 6&7 of 10; 4-19 Nov 2020	Varies 795 To 1,100	1.60	35	27.5	35.3	35.5	37.2
Reach H: From approximately 20 feet landward of GREEN CAN #7 EBB to approximately 20 feet landward of GREEN CAN #1A EBB.	File 5003; Shts. 7-9 of 10; 4-19 Nov 2020	1,000	3.58	35	32.7	36.1	35.0	24.8
Reach I: From approximately 20 feet seaward of GREEN CAN #1A EBB to approximately 2,460 feet landward of Throgs Neck Bridge.	File 5003; Shts. 9&10 of 10; 4-19 Nov 2020	1,000	1.63	35	37.2	37.3	36.9	34.9
Reach J: From the south end of the channel at the mouth of the Newton Creek to approximately 600 feet seaward of Queensboro Bridge	File 5003; Shts. 4&5 of 10; 4-19 Nov 2020	Varies 500 To 2,475	1.22	30	27.4	27.4	23.6	22.6
Reach K: Irregular Area from approximately 600 feet seaward of Williamsburg Bridge to the UN International School (Manhattan)	File 5003; Shts. 3&4 of 10; 4-19 Nov 2020	Varies 175 To 1,040	1.45	25	25.1			

REMARKS:

- All depths are in reference to Mean Lower Low Water
- The channel length is in nautical miles.

EAST RIVER, BATTERY TO THROGS NECK BRIDGE

- **Reach A:**
 - Edge shoaling exists intermittently along the channel toe of the Left Outside Quarter and Right Outside Quarter of this reach.
 - Spot shoaling exists in the Left Inside Quarter, Right Inside Quarter, and Right Outside Quarter of this reach.
 - The controlling depth of -36.4 feet MLLW exists in the Right Outside Quarter approximately 1,765 feet seaward from the end of this reach.
- **Reach B:**
 - Edge shoaling exists intermittently along the channel toe of the Left Outside Quarter of this reach.
 - Intermittent shoaling exists in the Right Outside Quarter throughout this reach.
 - The controlling depth of -16.0 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 2,390 feet seaward of the end of this reach.
- **Reach C:**
 - Intermittent edge shoaling exists along the channel toe of the Left Outside Quarter in the middle of the reach
 - The controlling depth of -35.5 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 1,755 feet seaward of the beginning of the reach.
- **Reach D:**
 - Edge shoaling exists intermittently along the channel toe of the Left Outside Quarter throughout the reach.
 - Spot shoaling exists in the Right Outside Quarter of this reach.
 - The controlling depth of -34.0 feet MLLW exists in the Left Outside Quarter approximately 570 feet seaward of the end of the reach.
- **Reach E:**
 - Edge shoaling exists intermittent along the channel toe of the Left Outside Quarter and the Right Outside Quarter from the middle of the reach to the end of the reach.
 - The Controlling Depth of -26.4 feet MLLW exists along channel toe of the Left Outside Quarter approximately 3,385 feet seaward from the end of the reach.
- **Reach F:**
 - Edge shoaling exists intermittently in the Left Outside Quarter and the Right Outside Quarter of the reach.
 - The Controlling Depth of -32.0 feet MLLW exists at the channel toe of the Right Outside Quarter approximately 635 feet seaward from the end of the reach.
- **Reach G:**
 - Spot shoaling exists in the Left Outside Quarter and Right Outside Quarter of this reach.
 - The controlling depth of -27.5 feet MLLW exists at the channel toe of the Left Outside Quarter approximately 4,190 feet seaward from the end of the reach.
- **Reach H:**
 - Edge shoaling exists intermittently along the channel toe of the Left Outside Quarter throughout the reach. A spot shoal is present in the middle of the reach.
 - Edge shoaling exists intermittently along the channel toe of the Right Outside Quarter throughout the reach.
 - The controlling depth of -24.8 feet MLLW exists along the channel toe of the Right Outside Quarter approximately 1.630 feet landward of GREEN CAN #1 W/LIGHT EBB.
- **Reach I:**
 - A minor shoal exists in the Right Outside Quarter at the end of this reach.
 - The controlling depth of -34.9 feet MLLW exists along the channel toe of Right Outside Quarter at approximately the end of this reach.

EAST RIVER, BATTERY TO THROGS NECK BRIDGE

- **Reach J:**
 - Spot shoaling exists across all four quarters of this reach.
 - A large shoal exists in the Right Outside Quarter near the first bend of the reach extending into the Left Inside Quarter and waning back to the Right Outside Quarter near the middle of the reach. Shoaling continues in the Right Outside Quarter in the middle of the reach-
 - The controlling depth of -22.6 feet MLLW exists in the Right Inside Quarter approximately 3,340 feet landward of the start of the reach.

- **Reach K:**
 - A small shoal exists along the channel toe at the beginning of this reach.
 - The controlling depth of -25.1 feet MLLW exists approximately 2,365 feet landward of the beginning of this reach.