

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

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OF

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DATE

28 June 2023

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 Throngs 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 approximately 550 feet landward of GREEN #1 W/LIGHT EBB to approximately 1,725 feet seaward of the Brooklyn Bridge	File 5297/D Sheet 2 of 12 26-27 Apr, 1-2 May, 12-14 June 2023	Varies 1,000 To 1,890	0.92	40	37.1	39.4	38.5	36.5
Reach B: From approximately 1,725 feet seaward of the Brooklyn Bridge to approximately 440 feet landward from the Manhattan Bridge	File 5297/D Sheet 2-3 of 12 26-27 Apr, 1-2 May, 12-14 June 2023	Varies 1,000 To 1,380	0.67	40	16.2	45.0	40.4	35.3
Reach C: From approximately 440 feet landward from the Manhattan Bridge to approximately 600 feet seaward of the Williamsburg Bridge	File 5297/D Sheet 3-4 of 12 26-27 Apr, 1-2 May, 12-14 June 2023	Varies 1,000 To 1,270	0.82	40	30.9	40.9	41.0	37.7
Reach D: From approximately 600 feet seaward of the Williamsburg Bridge to approximately 825 feet seaward of GREEN RED GREEN "B" EBB.	File 5297/D Sheet 4-5 of 12 26-27 Apr, 1-2 May, 12-14 June 2023	900	1.82	35	35.2	35.8	34.4	34.6
Reach E: From approximately 825 feet seaward of GREEN RED GREEN "B" EBB to approximately 500 feet landward of Roosevelt Island.	File 5297/D Sheet 5-7 of 12 26-27 Apr, 1-2 May, 12-14 June 2023	Varies 550 To 1,000	2.49	35	26.9	40.4	35.7	33.0
Reach F: From approximately 500 feet landward of Roosevelt Island to approximately 1230 feet landward of Hell Gate Bridge.	File 5297/D Sheet 7 of 12 26-27 Apr, 1-2 May, 12-14 June 2023	Varies 650 To 850	1.23	35	36.0	36.3	32.8	35.8
Reach G: From approximately 1230 feet landward of Hell Gate Bridge to approximate location of GREEN CAN #7 EBB.	File 5297/D Sheet 7-8 of 12 26-27 Apr, 1-2 May, 12-14 June 2023	Varies 795 To 1,100	1.60	35	34.3	35.1	35.8	31.3
Reach H: From approximate location of GREEN CAN #7 EBB to approximate location of GREEN CAN #1A EBB.	File 5297/D Sheet 9-11 of 12 26-27 Apr, 1-2 May, 12-14 June 2023	1,000	3.58	35	32.6	36.3	35.3	24.8
Reach I: From approximate location of GREEN CAN #1A EBB to approximately 750 feet landward of RED NUN #2 EBBvb.	File 5297/D Sheet 11-12 of 12 26-27 Apr, 1-2 May, 12-14 June 2023	1,000	1.63	35	37.4	36.4	37.1	32.4
Reach J: From the south end of the channel at the mouth of Newton Creek to approximately 600 feet seaward of Queensboro Bridge	File 5297/D Sheet 5-6 of 12 26-27 Apr, 1-2 May, 12-14 June 2023	Varies 500 To 2,475	1.22	30	24.9	26.3	24.2	22.9
Reach K: Irregular Area from approximately 600 feet seaward of Williamsburg Bridge to the UN International School (Manhattan)	File 5297/D Sheet 4-5 of 12 26-27 Apr, 1-2 May, 12-14 June 2023	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 -36.5 feet MLLW exists in the Right Outside Quarter approximately 2,695 feet landward from RED #2 W/LIGHT EBB.
- **Reach B:**
 - Edge shoaling exists intermittently along the channel toe of the Left Outside Quarter of this reach.
 - Shoaling exists across the Right Outside Quarter approximately 850 feet from the beginning of the reach.
 - The controlling depth of -16.2 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 1885 feet from the beginning of the reach.
- **Reach C:**
 - Intermittent edge shoaling exists along the channel toe of the Left Outside Quarter in the seaward half of this reach.
 - The controlling depth of -30.9 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 215 feet landward of the beginning of the reach.
- **Reach D:**
 - Spot shoaling exists in the Right Inside Quarter near the beginning of Reach J.
 - The controlling depth of -34.4 feet MLLW exists in the Right Inside Quarter approximately 1220 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 -26.9 feet MLLW exists along channel toe of the Left Outside Quarter approximately 1,955 feet seaward from the end of the reach.
- **Reach F:**
 - Edge shoaling exists intermittently in the Right Outside Quarter near the end of the reach.
 - The Controlling Depth of -32.8 feet MLLW exists in Right Inside Quarter approximately 350 feet seaward of end of the reach.
- **Reach G:**
 - Edge shoaling exists intermittently along the channel toe in both outside edges in the last half of the reach.
 - The controlling depth of -31.3 feet MLLW exists at the channel toe of the Right Outside Quarter approximately 770 feet landward of the start of the reach.
- **Reach H:**
 - Edge shoaling exists along the channel toe of the Left Outside Quarter approximately halfway through 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 at approximately 1,585 feet landward of GREEN CAN #1 W/LIGHT EBB.
- **Reach I:**
 - The controlling depth of -32.4 feet MLLW exists along the channel toe of Right Outside Quarter at 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.
 - The controlling depth of -22.9 feet MLLW exists in the Right Outside Quarter at the end of the reach.

- **Reach K:**
 - No shoaling exists in this reach.
 - The controlling depth of -25.1 feet MLLW exists approximately 2,300 feet seaward of the beginning of this Reach D.