REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER	PAGE	1 OF 3
	DATE	22 March 2019

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 195, Sheet 2 of 10; 22 Oct 2018 – 26 Nov 2018	Varies 1,000 To 1,890	0.92	40	39.7	39.3	39.1	36.2
Reach B: From approximately 1,800 feet seaward of the Brooklyn Bridge to approximately 500 feet landward from the Manhattan Bridge	File 195, Shts. 2&3 of 10; 22 Oct 2018 – 26 Nov 2018	Varies 1,000 To 1,380	0.67	40	26.5	45.8	40.6	34.2
Reach C: From approximately 500 feet landward from the Manhattan Bridge to approximately 675 feet seaward of the Williamsburg Bridge	File 195, Sheet 3 of 10; 22 Oct 2018 – 26 Nov 2018	Varies 1,000 To 1,270	0.82	40	32.6	40.7	40.9	37.6
Reach D: From approximately 675 feet seaward of the Williamsburg Bridge to approximately 675 feet seaward of GREEN/RED BUOY B	File 195, Shts. 3&4 of 10; 22 Oct 2018 – 26 Nov 2018	900	1.82	35	32.5	36.2	34.3	34.4
Reach E: From approximately 675 feet seaward of GREEN/RED BUOY B to approximately 500 feet landward of Roosevelt Island	File 195, Shts. 4-6 of 10; 22 Oct 2018 – 26 Nov 2018	Varies 550 To 1,000	2.49	35	27.4	40.4	35.7	33.7
Reach F: From approximately 500 feet landward of Roosevelt Island to approximately 1230 feet landward of Hell Gate Bridge	File 195, Sheet 6 of 10; 22 Oct 2018 – 26 Nov 2018	Varies 650 To 850	1.23	35	34.6	35.3	32.9	32.4
Reach G: From approximately 1230 feet landward of Hell Gate Bridge to approximately 260 feet landward of GREEN CAN #7 FLOOD	File 195, Shts. 6&7 of 10; 22 Oct 2018 – 26 Nov 2018	Varies 795 To 1,100	1.60	35	35.8	35.8	35.4	33.7
Reach H: From approximately 260 feet landward of GREEN CAN #7 FLOOD to approximately 160 feet seaward of GREEN CAN #1A	File 195, Shts. 7-9 of 10; 22 Oct 2018 – 26 Nov 2018	1,000	3.58	35	32.6	35.8	34.8	24.7
Reach I: From approximately 160 feet seaward of GREEN CAN #1A to approximately 2,460 feet landward of Throgs Neck Bridge	File 195, Shts. 9&10 of 10; 22 Oct 2018 – 26 Nov 2018	1,000	1.63	35	37.2	37.0	36.6	36.2
Reach J: From the south end of the channel at the mouth of Newton Creek to approximately 600 feet seaward of Queensboro Bridge	File 195, Shts. 4&5 of 10; 22 Oct 2018 – 26 Nov 2018	Varies 500 To 2,475	1.22	30	27.8	27.6	20.6	22.1
Reach K: Irregular Area from approximately 600 feet seaward of Williamsburg Bridge to the UN International School (Manhattan)	File 195, Shts. 3&4 of 10; 22 Oct 2018 – 26 Nov 2018	Varies 175 To 1,040	1.45	25	25.4			

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 along the channel toe of the Left Outside Quarter throughout the reach.
  - A spot shoal exists in the Left Inside Quarter at the start of the reach.
  - A spot shoal exists in the Right Inside Quarter near the end of the reach.
  - Intermittent shoaling exists in the Right Outside Quarter throughout the reach.
  - The controlling depth of -36.2 feet MLLW exists in the Right Outside Quarter approximately 1,650 feet seaward from the end of the reach.

- **Reach B:**
  - Edge shoaling exists along the channel toe of the Left Outside Quarter in the middle of the reach.
  - Intermittent shoaling exists in the Right Outside Quarter throughout the reach.
  - The controlling depth of -26.5 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 1,550 feet seaward of the end of the 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 -32.6 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 650 feet seaward of the end of the reach.

- **Reach D:**
  - Intermittent edge shoaling exists along the channel toe of the Left Outside Quarter throughout the reach.
  - A spot shoal exists in the Right Inside Quarter near the end of the reach
  - A spot shoal exists in the Right Outside Quarter near the end of the reach.
  - The controlling depth of -32.5 feet MLLW exists in the Left Outside Quarter approximately 350 feet landward of Williamsburg Bridge.

- **Reach E:**
  - Intermittent edge shoaling exists along the channel toe of the Left Outside Quarter from the middle of the reach to the end of the reach.
  - Edge shoaling exists along the channel toe of the Right Outside Quarter near the end of the reach.
  - The Controlling Depth of -27.4 feet MLLW exists along channel toe of the Left Outside Quarter approximately 4,500 feet seaward from the end of the reach.

- **Reach F:**
  - Shoaling exists in the Left Outside Quarter at the first cut bank landward of the start of the reach.
  - Intermittent edge shoaling exists along the channel toe of the Right Outside Quarter in the middle of the reach.
  - The Controlling Depth of -32.4 feet MLLW exists at the channel toe of the Right Outside Quarter approximately 2,000 feet landward from the start of the reach.

- **Reach G:**
  - No shoaling exists along this reach.
  - The controlling depth of -33.7 feet MLLW exists at the channel toe of the Right Outside Quarter approximately 850 feet landward from the start of the reach.

EAST RIVER, BATTERY TO THROGS NECK BRIDGE

- **Reach H:**
  - Intermittent edge shoaling exists along the channel toe of the Left Outside Quarter throughout the reach. A spot shoal is present in the middle of the reach.
  - Intermittent edge shoaling exists along the channel toe of the Right Outside Quarter throughout the reach.
  - The controlling depth of -24.7 feet MLLW exists along the channel toe of the Right Outside Quarter approximately 1.550 feet seaward of the cut bank to the Left Outside Quarter of reach M.

- **Reach I:**
  - No shoaling exists along this reach.
  - The controlling depth of -36.2 feet MLLW exists along the channel toe of Right Outside Quarter approximately 60 feet landward of the end of the reach.

- **Reach J:**
  - Shoaling exists in the Left Outside Quarter in the middle of the reach. Edge shoaling is present in this quarter at the end of the reach.
  - A large shoal exists in the Right Outside Quarter near the start 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 -20.6 feet MLLW exists in the Right Inside Quarter approximately 2,500 feet landward of the start of the reach.

- **Reach K:**
  - No shoaling exists along this reach.
  - The controlling depth of -25.4 feet MLLW exists in multiple locations along the eastern boundary next to reach D.