

**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

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 1,725 feet seaward of the Brooklyn Bridge	File 183, Sheet 2 of 10; 18 Nov – 16 Dec 2014	Varies 1,000 To 1,890	0.92	40	39.2	39.2	39.0	36.1
Reach B: From approximately 1,725 feet seaward of the Brooklyn Bridge to approximately 500 feet landward from the Manhattan Bridge	File 183, Shts. 2&3 of 10; 18 Nov – 16 Dec 2014	Varies 1,000 To 1,380	0.68	40	23.3	41.3	37.8	32.4
Reach C: From approximately 500 feet landward from the Manhattan Bridge to approximately 600 feet seaward of the Williamsburg Bridge	File 183, Sheet 3 of 10; 18 Nov – 16 Dec 2014	Varies 1,000 To 1,270	0.81	40	33.3	39.9	40.1	37.3
Reach D: From approximately 600 feet seaward of the Williamsburg Bridge to approximately 580 feet seaward of GREEN/RED BUOY 'B'	File 183, Shts. 3&4 of 10; 18 Nov – 16 Dec 2014	900	1.82	35	35.0	35.4	34.4	32.6
Reach E: From approximately 580 feet seaward of GREEN/RED BUOY 'B' to approximately 500 feet landward of Roosevelt Island	File 183, Shts. 4-6 of 10; 18 Nov – 16 Dec 2014	Varies 550 To 1,000	2.49	35	31.8	39.1	35.1	25.2
Reach F: From approximately 500 feet landward of Roosevelt Island to approximately 1200 feet landward of Hell Gate Bridge	File 183, Sheet 6 of 10; 18 Nov – 16 Dec 2014	Varies 650 To 850	1.23	35	34.4	34.9	32.8	33.1
Reach G: From approximately 1200 feet landward of Hell Gate Bridge to GREEN CAN #7 FLOOD	File 183, Shts. 6&7 of 10; 18 Nov – 16 Dec 2014	Varies 795 To 1,100	1.60	35	31.0	35.1	35.2	36.0
Reach H: From GREEN CAN #7 FLOOD to approximately 70 feet seaward of GREEN CAN #1A	File 183, Shts. 7-9 of 10; 18 Nov – 16 Dec 2014	1,000	3.58	35	33.0	34.7	34.2	24.2
Reach I: From approximately 70 feet seaward of GREEN CAN #1A to approximately 2,450 feet landward of Throgs Neck Bridge	File 183, Shts. 9&10 of 10; 18 Nov – 16 Dec 2014	1,000	1.63	35	37.3	36.6	36.8	35.5
Reach J: From the south end of the channel at the mouth of Newton Creek to approximately 600 feet seaward of Queensboro Bridge	File 183, Shts. 4&5 of 10; 18 Nov – 16 Dec 2014	Varies 2,475 To 500	1.22	30	26.4	26.3	23.6	18.4
Reach K: Irregular Area from approximately 600 feet seaward of Williamsburg Bridge to the UN International School (Manhattan)	File 183, Shts. 3&4 of 10; 18 Nov – 16 Dec 2014	Varies 175 To 1040	1.45	35	24.7			

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:**
Shoaling with a maximum width of approximately 100 feet is present along the edge of the Left Outside Quarter commencing approximately 1,750 feet seaward of RED #2 W/ LIGHT and extending approximately 550 feet landward. Sporadic spot shoaling exists in Left Outside Quarter and Left Inside Quarter throughout reach commencing approximately 1,450 feet seaward of RED #2 W/ LIGHT and continuing to approximately 1,600 feet landward of Green #3 W/ Light. Shoaling with a maximum width of approximately 200 feet exists in the Right Inside Quarter commencing approximately 1,300 feet landward of GREEN #3 W/ LIGHT and extending approximately 600 feet landward. Shoaling with a maximum width of approximately 180 feet exists in Right Outside Quarter commencing approximately 1,100 feet landward of GREEN #3 W/ LIGHT and extending approximately 300 feet landward. Spot shoal exists in Right Outside Quarter approximately 2,200 landward of GREEN #3 W/ LIGHT.
- **Reach B:**
Edge shoal with maximum width of approximately 50 feet exists in Right Outside Quarter commencing approximately 1550 feet seaward of the Brooklyn Bridge and extends landward for a length of approximately 100 feet. Shoaling with maximum width of approximately 360 feet exist reaching across entire Right Outside Quarter and continues into Right Inside Quarter commencing approximately 900 feet seaward of the Brooklyn Bridge and extending approximately 440 feet landward. Sporadic shoaling along the edge of the channel in the Left Outside Quarter begins approximately 300 feet seaward of the Brooklyn Bridge and continues approximately 3,000 feet landward along the channel to the end of the reach; the shoal has a maximum width of approximately 150 feet.
- **Reach C:**
Spot shoal exists in Right Outside Quarter approximately 2,900 feet landward of the Manhattan Bridge. Spot shoal exists in Left Inside Quarter approximately 1,230 feet seaward of the Williamsburg Bridge. Shoaling is present along the edge of the Left Outside Quarter beginning at the start of the reach, approximately 650 feet landward of the Manhattan Bridge and sporadically continues landward for approximately 3,000 feet; the shoaling has a maximum width of approximately 125 feet.
- **Reach D:**
Shoaling with an maximum width of 620 feet exists in the Right Inside, Left Inside and Left Outside Quarters commencing approximately 280 feet seaward of the Williamsburg Bridge and continuing approximately 2,900 feet landward. Shoaling exists along the edge of the Right Outside Quarter beginning approximately 1,700 feet landward of the Williamsburg Bridge and continuing landward approximately 620 feet with a maximum width of approximately 90 feet. Small spot shoal exists in the Right Outside Quarter approximately 2,900 feet seaward of GREEN/RED BUOY 'B' EBB. Small spot shoal exists in the Right Inside Quarter approximately 1,800 feet seaward of GREEN/RED BUOY 'B' EBB. Small spot shoal exists in the Right Outside Quarter approximately 1,100 feet seaward of GREEN/RED BUOY 'B' EBB.
- **Reach E:**
Small spot shoal exists in the Left Outside Quarter approximately 4,300 feet landward of Queensboro Bridge. Sporadic shoaling with a maximum width of 40 feet is present alongside the edge of the channel in the Left Outside Quarter and Right Outside Quarter beginning approximately 5,400 feet landward of the Queensboro Bridge and continuing landward for approximately 500 feet.
- **Reach F:**
A small spot shoal is present in the Right Outside Quarter located approximately 2,230 feet seaward from the Robert F. Kennedy Bridge. A small spot shoal is present in the Left Inside Quarter located approximately 1,500 feet seaward from the Robert F. Kennedy Bridge. A small spot shoal is present in the Right Inside Quarter located approximately 1,300 feet seaward from the Robert F. Kennedy Bridge. A small spot shoal is present in the Right Inside Quarter located approximately 550 feet seaward from the Hell Gate Bridge. A small spot shoal is present in the Right Inside Quarter located approximately 930 feet landward from the Hell Gate Bridge.
- **Reach G:**
A small edge shoal with approximate width of 30 feet exists in the Left Outside Quarter approximately 2,800 feet landward of GREEN #13 W/LIGHT EBB and continues approximately 40 feet landward. A small edge shoal with approximate width of 40 feet exists in the Left Outside Quarter approximately 220 feet seaward of GREEN CAN #7 FLOOD and continues approximately 200 feet landward.

EAST RIVER, BATTERY TO THROGS NECK BRIDGE

- **Reach H:**

A small edge shoal with approximate width of 40 feet exists in the Right Outside Quarter approximately 3,100 feet landward of GREEN CAN #7 FLOOD and continues approximately 90 feet landward. Sporadic spot shoals exist in the Right Inside Quarter commencing approximately 3,600 feet landward of GREEN CAN #7 FLOOD and continuing approximately 220 feet landward. Sporadic edge shoaling is present alongside the edge of the channel in the Right Outside Quarter beginning approximately 1800 feet seaward from GREEN #5 W/LIGHT EBB and continues landward for approximately 700 feet landward with a maximum width of approximately 45 feet. Sporadic spot shoals exist in all four Quarters of the channel commencing approximately 1,700 feet landward of GREEN #5 W/LIGHT EBB and continuing approximately 900 feet landward. Sporadic shoaling with a maximum width of 60 feet is present alongside the edge of the channel in the Left Outside Quarter beginning approximately 1,900 feet landward of GREEN #5 W/LIGHT EBB and continuing approximately 1,350 feet landward. A small spot shoal is present in the Right Outside Quarter located approximately 400 feet landward from GREEN #3 W/ GONG FLOOD. A small spot shoal is present in the Right Outside Quarter located approximately 1,440 feet landward from GREEN #3 W/ GONG FLOOD. Shoaling is present along the edge of the Right Outside Quarter commencing approximately 1,370 feet landward from GREEN #3 W/ GONG FLOOD and continuing approximately 200 feet landward with a maximum width of approximately 20 feet.

- **Reach I:**

No shoaling is present.

- **Reach J:**

A large shoal with a maximum width of approximately 620 feet extends across the Right Outside, the Right Inside, the Left Inside and into the Left Outside Quarters beginning approximately 1,100 feet landward of the beginning of the reach and continuing landward for approximately 1,500 feet. A shoal with an approximate width of 160 feet exists in the Left Outside Quarter beginning approximately 2,600 feet landward of the beginning of the reach and continuing landward for approximately 60 feet. Sporadic shoaling with a maximum width of approximately 120 feet exists in the Right Outside Quarter beginning approximately 3,500 feet landward of the beginning of the reach and continuing landward for approximately 350 feet. Shoaling with a maximum width of approximately 70 feet exists in the Right Outside, Left Inside, and Left Outside Quarters beginning approximately 7,200 feet landward of the beginning of the reach and continuing approximately 150 feet landward to the end of the reach.

- **Reach K:**

Shoaling is present across the majority of the channel.