

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

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DATE 3 August 2018

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:
NY & NJ Channels, Vicinity of Seguine Point Bend to Outerbridge Reach

**MINIMUM DEPTHS IN EACH ¼ WIDTH OF
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (miles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
Reach M – Outerbridge Reach: From approximate location of GREEN BUOY #5 W/ LIGHT FLOOD to approximately 780 feet landward of MOORING BALL EBB	File 1403; Pg. 1-3 of 7; 10-13, 17-20, 24, 25, 27, 30 April 2018	600-840	1.63	35	33.8	35.3	36.2	32.0
Reach N – Ward Point Bend West Reach: From approximately 780 feet landward of MOORING BALL EBB1 to approximate location of RED BUOY #56 W/ LIGHT	File 1403; Pg. 3 & 4 of 7; 10-13, 17-20, 24, 25, 27, 30 April 2018	600-800	1.29	35	33.2	34.2	31.9	31.5
Reach O – Ward Point Bend East Reach: From approximate location of RED BUOY W/ LIGHT EBB to approximately 50 feet landward of GREEN #47 W/ LIGHT EBB	File 1403; Pg. 4 & 5 of 7; 10-13, 17-20, 24, 25, 27, 30 April 2018	600-800	1.14	35	28.2	39.5	35.6	26.3
Reach P – Red Bank Reach: From approximately 50 feet landward of GREEN BUOY #47 W/ LIGHT EBB to approximate location of GREEN BUOY #35 W/ LIGHT EBB	File 1403; Pg. 5 & 6 of 7; 10-13, 17-20, 24, 25, 27, 30 April 2018	600	1.23	35	33.3	41.2	41.2	33.4
Reach Q – Seguine Point Bend Reach : From approximate location of GREEN BUOY #35 W/ LIGHT EBB to approximately 55 feet landward of GREEN #27 W/ LIGHT EBB	File 1403; Pg. 7 of 7; 10- 13, 17-20, 24, 25, 27, 30 April 2018	600- 1000	1.23	35	32.2	35.4	35.6	17.8

REMARKS:

- Depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.

NEW YORK AND NEW JERSEY CHANNELS:

Vicinity of Seguine Point Bend to Outerbridge Reach

SHOALING BY REACHES:

Reach M – Outerbridge Reach:

- Shoaling exists in the Right Outside Quarter at the landward terminus of the reach and continues 2,025 feet seaward.
- Spot shoaling exists in the Right Outside Quarter at approximately 60 feet seaward of RED #4 W/ LIGHT EBB continues 440 feet seaward.
- Minor edge shoaling exists intermittently along the Left and Right Outside Quarters
- The controlling depth of -32.0 feet MLLW exists in the Right Outside Quarter approximately 235 feet seaward of GREEN #5 W/ LIGHT.

Reach N – Ward Point Bend West Reach:

- Minor spot shoaling exists in the Right Outside Quarter at approximately 985 feet of seaward of MOORING BALL EBB.
- Shoaling exists in the Left Outside Quarter at approximately 1545 feet seaward of MOORING BALL EBB and continues 295 feet seaward with a maximum width of approximately 55 feet.
- Shoaling exists at the approximate location of RED #60 EBB in the Right Outside and Inside Quarter continues approximately 3,975 feet seaward with a maximum width of approximately 330 feet.
- Shoaling exists in the Left Outside Quarter at approximately 720 feet seaward of RED #60 EBB continues 790 feet seaward with a maximum width of approximately 110 feet.
- The controlling depth of -31.5 feet MLLW exists in the Right Outside Quarter approximately 1,295 feet seaward of RED #60 EBB.

Reach O – Ward Point Bend East Reach:

- Shoaling exists in the Right Outside Quarter at the approximate location of RED BUOY #56 W/ LIGHT EBB continues approximately 180 feet seaward of GREEN & RED CAN #E EBB with a maximum width of approximately 130 feet.
- Shoaling exists at Left Outside Quarter at 105 feet landward of GREEN #47 W/ LIGHT EBB continues 1070 feet landward.
- Minor edge spot shoaling exists intermittently along the Left and Right Outside Quarters.
- The controlling depth of -26.3 feet MLLW exists in the Right Outside Quarter approximately 435 feet landward of RED NUN 54 EBB.

Reach P – Red Bank Reach:

- Minor edge shoaling exists intermittently along the Left and Right Outside Quarters.
- The controlling depth of -33.3 feet MLLW exists in the Left Outside Quarter approximately 155 feet seaward of GREEN #47 W/ LIGHT EBB.

Reach Q – Seguine Point Bend Reach:

- Shoaling exists in the Left Outside Quarter approximately 270 feet seaward of GREEN #35 W/ LIGHT EBB continues 1,490 feet seaward with a maximum width of approximately 125 feet.
- Shoaling exists at the approximate location of GREEN #33 W/ LIGHT EBB continues 1,550 feet seaward with a maximum width of approximately 110 feet.
- Shoaling exists in the Right Outside Quarter approximately 540 feet landward of GREEN #31 W/ LIGHT EBB continues 1,310 feet seaward.
- Shoaling exists in the Right Outside Quarter approximately 40 feet seaward of RED NUN #28 EBB continues 595 feet seaward with a maximum width of approximately 50 feet.
- Shoaling exists in the Left Outside Quarter approximately 150 feet landward of GREEN #27 W/ LIGHT EBB continues 1,890 feet landward with a maximum width of approximately 55 feet.
- Minor edge shoaling exists intermittently along the Left and Right Outside Quarters.
- The controlling depth of -17.8 feet MLLW exists in the Right Outside Quarter approximately 1000 feet seaward of RED #30 W/ LIGHT EBB.