

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER						PAGE 1 OF 3 PAGES		
						DATE 11 July 2017		
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 (nmiles)	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 3,360 feet landward of RED BUOY #60 FLOOD	File 1393; Pg. 1-3 of 7; 2- 4, 8-9, 12, 14 May 2017	600-840	1.63	35	11.9	35.5	36.5	32.5
Reach N – Ward Point Bend West Reach: From approximately 3,360 feet landward of RED BUOY #60 FLOOD to approximately 25 feet landward of RED BUOY #56 W/ LIGHT EBB	File 1393; Pg. 3 & 4 of 7; 2-4, 8-9, 12, 14 May 2017	600-800	1.29	35	33.3	34.6	32.3	31.9
Reach O – Ward Point Bend East Reach: From approximately 25 feet landward of RED BUOY #56 W/ LIGHT EBB to approximately 2,315 feet landward of BEACON #42	File 1393; Pg. 4 & 5 of 7; 2-4, 8-9, 12, 14 May 2017	600-800	1.14	35	28.3	39.4	35.8	27.9
Reach P – Red Bank Reach: From approximately 2,315 feet landward of BEACON #42 to approximately 40 feet seaward of GREEN BUOY #35 W/ LIGHT FLOOD	File 1393; Pg. 5 & 6 of 7; 2-4, 8-9, 12, 14 May 2017	600	1.23	35	33.5	41.4	41.1	34.4
Reach Q – Seguine Point Bend Reach : From approximately 40 feet seaward of GREEN BUOY #35 W/ LIGHT FLOOD to approximately 35 feet landward of GREEN #27 W/ LIGHT FLOOD	File 1393; Pg. 6 & 7 of 7; 2-4, 8-9, 12, 14 May 2017	600- 1000	1.23	35	32.9	35.9	35.9	21.9

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REMARKS:

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

SHOALING BY REACHES:

Reach M:

- Shoaling exists along the channel's toe in the Right Outside Quarter at the approximate location of GREEN BUOY #5 W/ LIGHT FLOOD and continues 1,590 feet seaward with a maximum width of approximately 55 feet. Spot shoaling exists along the channel's toe in the Right Outside Quarter approximately 120 feet seaward of RED BUOY #4 W/ LIGHT FLOOD and continues 440 feet seaward.
- Shoaling exists along the channel's toe in the Left Outside Quarter approximately 85 feet seaward of GREEN #5 W/ LIGHT FLOOD and continues 160 feet landward with a maximum width of approximately 7 feet. Intermittent shoaling exists along the channel's toe in the Left Outside Quarter approximately 1200 feet landward of RED BUOY #2 W/ LIGHT FLOOD and continues 630 feet seaward.
- The controlling depth of -11.9 feet MLLW exists in the Left Outside Quarter approximately 330 feet landward of RED BUOY #2 W/ LIGHT FLOOD and is associated with the supports for the Outerbridge Crossing.

Reach N:

- Shoaling exists in the Right Outside Quarter and continues into the Right Inside Quarter and Left Inside Quarter approximately 185 feet seaward of RED BUOY #60 FLOOD and continues 3,790 feet seaward with a maximum width of 315 feet.
- Shoaling exists along the channel's toe in the Left Outside Quarter approximately 1420 feet landward of RED BUOY #60 FLOOD and continues 260 feet seaward with a maximum width of approximately 35 feet. Shoaling exists in the Left Outside Quarter approximately 740 feet seaward of RED BUOY #60 FLOOD and continues 1,025 feet seaward with a maximum width of approximately 95 feet.
- The controlling depth of 31.9 feet exists in the Right Outside Quarter approximately 1,620 feet seaward of RED BUOY #60 FLOOD.

Reach O:

- Intermittent shoaling exists along the channel's toe in the Right Outside Quarter at the approximate location of RED BUOY #56 W/ LIGHT EBB and continues 4,960 feet seaward with a maximum width of approximately 100 feet.
- Spot shoaling exists along the channel's toe in the Left Outside Quarter approximately 1,625 feet seaward of GREEN BUOY #55 W/ LIGHT EBB and continues 125 feet seaward. Spot shoaling exists along the channel's toe in the Left Outside Quarter approximately 3,120 feet seaward of GREEN BUOY #55 W/ LIGHT EBB and continues 900 feet seaward. Shoaling exists along the channel's toe in the Left Outside Quarter 3,380 feet landward of BEACON #42 and continues 1,050 feet seaward to the reach's boundary.
- The controlling depth of -27.9 feet MLLW exists in the Right Outside Quarter approximately 2,160 feet seaward of GREEN BUOY #55 W/ LIGHT EBB.

Reach P:

- Minor edge shoaling exists intermittently along the Left and Right Outside Quarters.
- The controlling depth of -33.5 feet MLLW exists in the Left Outside Quarter approximately 2,140 feet landward of BEACON #42.

Reach Q:

- Shoaling exists along the channel's toe in the Right Outside Quarter approximately 380 feet landward of RED BUOY #30 W/ LIGHT FLOOD and continues 920 feet landward with a maximum width of approximately 60 feet. Shoaling exists along the channel's toe in the Right Outside Quarter approximately 190 feet seaward of RED NUN #28 FLOOD and continues 540 feet seaward to the channel's boundary with a maximum width

of approximately 20 feet.

- Shoaling exists in the Left Outside Quarter approximately 360 feet seaward of GREEN BUOY #35 W/ LIGHT FLOOD and continues 995 feet seaward with a maximum width of approximately 110 feet. Intermittent shoaling exists along the channel's toe in the Left Outside Quarter approximately 345 feet landward of GREEN BUOY #31 W/ LIGHT FLOOD and continues sporadically 1,800 feet seaward. Shoaling exists along the channel's toe in the Left Outside Quarter approximately 1,490 feet seaward of GREEN BUOY #39 W/ LIGHT FLOOD and continues 1,395 feet seaward with a maximum width of approximately 40 feet.
- The controlling depth of -21.9 feet MLLW exists in the Right Outside Quarter approximately 935 feet landward of RED BUOY #30 W/ LIGHT FLOOD.

