

**REPORT OF CHANNEL CONDITIONS  
100 TO 400 FEET WIDE**

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DATE 09 April 2020

**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:**  
Raritan River, New Jersey

**MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (n. miles)	DEPTH (feet)			
<b>MAIN CHANNEL Reach A: Great Beds Reach</b> From approximately GREEN CAN 5 EBB to approximately 50 feet seaward of GREEN CAN 3 EBB	File 4890; Pages 2-3 of 11; 29 Nov 2019 - 07 Jan 2020	300-1,025	0.63	25	18.6	21.4	20.3
<b>MAIN CHANNEL Reach B: South Amboy Reach</b> From approximately 50 feet seaward of GREEN CAN 3 EBB to New Jersey C.R.R. Bridge	File 4890; Pages 3-5 of 11; 29 Nov 2019 - 07 Jan 2020	300-380	1.17	25	19.4	11.8	19.3
<b>MAIN CHANNEL Reach C: Sandy Point Reach</b> From New Jersey C.R.R. Bridge to HWY 35 Victory Bridge	File 4890; Pages 5-6 of 11; 29 Nov 2019 - 07 Jan 2020	300-370	0.92	25	21.4	14.3	22.2
<b>MAIN CHANNEL Reach D: Keasbey Reach</b> From HWY 35 Victory Bridge to approximately 1645 feet seaward of GREEN BUOY #15 W/ LIGHT EBB	File 4890; Pages 6-8 of 11; 29 Nov 2019 - 07 Jan 2020	300-565	1.07	25	6.5	11.1	14.1
<b>MAIN CHANNEL Reach E: Red Root Reach</b> From approximately 1645 feet seaward of GREEN BUOY #15 W/ LIGHT EBB to approximately 990 feet landward of GREEN BUOY #17 W/LIGHT EBB	File 4890; Pages 8-10 of 11; 29 Nov 2019 - 07 Jan 2020	300	0.96	25	12.1	16.3	7.3
<b>MAIN CHANNEL Reach F: Turning Basin</b> From approximately 990 feet landward of GREEN BUOY #17 W/LIGHT EBB to approximately 1,064 feet landward of GREEN BUOY #25 W/LIGHT EBB	File 4890; Page 10 of 11; 29 Nov 2019 - 07 Jan 2020	300-600	0.31	25	0.5	6.0	10.4
<b>SOUTH CHANNEL Reach J:</b> From approximately 235 feet landward of GREEN CAN #13 FLOOD to approximately 2,350 feet landward of GREEN CAN #13 FLOOD	File 4890; Pages 8 and 11 of 11; 29 Nov 2019 - 07 Jan 2020	300-430	0.39	25	4.4	4.2	4.0
<b>SOUTH CHANNEL Reach K:</b> From approximately 2,350 feet landward of GREEN CAN #13 EBB to approximately 1440 feet landward of the beginning of this reach	File 4890; Page 11 of 11; 29 Nov 2019 - 07 Jan 2020	300	0.20	25	7.0	3.4	2.5

**REMARKS:**

- All depths are relative to the Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.
- Right Outside Quarter (ROQ), Left Outside Quarter (LOQ), and Middle Half (MH)

**MAIN CHANNEL****Reach A:**

- Shoaling exists throughout the majority of this reach.
- The controlling depth of -18.6 feet MLLW exists in the LOQ at approximately 1,990 feet landward of RED BELL 2 EBB.

**Reach B:**

- Sporadic shoaling exists channel wide throughout this reach.
- The controlling depth of -11.8 feet MLLW exists in the MH at approximately 40 feet seaward of NEW JERSEY C.R.R. BRIDGE.

**Reach C:**

- Sporadic shoaling exists in the ROQ, MH, and LOQ of this reach.
- The controlling depth of -14.3 feet MLLW exists in the MH at approximately 35 feet landward of NEW JERSEY C.R.R. BRIDGE.

**Reach D:**

- The majority of shoaling exists at the end of this reach.
- Shoaling exists along the channel's toe in the LOQ and the ROQ of this reach.
- The controlling depth of -6.5 feet MLLW exists in the LOQ along the channel's toe at the end of this reach.

**Reach E:**

- Shoaling exists across the majority of the reach.
- The controlling depth of -7.3 feet MLLW exists in the ROQ at approximately 300 feet seaward of the end of this reach.

**Reach F:**

- Shoaling exists across the majority of this reach.
- The controlling depth of -0.5 feet MLLW exists in the LOQ at approximately 210 feet landward of GREEN BUOY #25 W/LIGHT EBB.

**SOUTH CHANNEL****Reach J:**

- Shoaling exists channel wide across this entire reach.
- The controlling depth of -4.0 feet MLLW exists in the ROQ at approximately 755 feet seaward of the end of the reach.

**Reach K:**

- Shoaling exists channel wide across this entire reach.
- The controlling depth of -2.5 feet MLLW exists in the ROQ at the end of this reach.