

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

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DATE 18 January 2022

**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 20 feet seaward of GREEN CAN #3 EBB.	File 5130/D/N1/N3; Pages 2-3 of 7; 7,8,27 December 2021	300-1,025	0.63	25	23.7	24.6	21.2
<b>MAIN CHANNEL Reach B: South Amboy Reach</b> From approximately 20 feet seaward of GREEN CAN #3 EBB to New Jersey C.R.R. Bridge.	File 5130/D/N1/N3; Pages 3-5 of 7; 7,8,27 December 2021	300-380	1.17	25	22.9	9.4	19.9
<b>MAIN CHANNEL Reach C: Sandy Point Reach</b> From New Jersey C.R.R. Bridge to HWY 35 Victory Bridge.	File 5130/D/N1/N3; Pages 5-6 of 7; 7,8,27 December 2021	300-370	0.92	25	24.4	11.5	24.8
<b>MAIN CHANNEL Reach D (Partial): Keasbey Reach</b> From HWY 35 Victory Bridge to approximately 2,675 feet landward of GREEN CAN #9 EBB.	File 5130/D/N1/N3; Pages 6-7 of 7; 7,8,27 December 2021	300-565	1.07	25	16.4	23.7	17.9

**REMARKS:**

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

**MAIN CHANNEL**

**Reach A:**

- o Minor shoaling exists in this reach.
- o The controlling depth of -21.2 feet MLLW exists in the ROQ along the channel's toe at the end of this reach.

**Reach B:**

- o Edge shoaling exists in this reach in the LOQ and ROQ.
- o Spot Shoaling exists in the LOQ and Middle Half of this reach.
- o The controlling depth of -9.4 feet MLLW exists in the Middle Half in the vicinity of NEW JERSEY C.R.R. BRIDGE.

**Reach C:**

- o Edge shoaling exists in this reach in the LOQ and ROQ.
- o Shoaling exists in the Middle Half of this reach.
- o The controlling depth of -11.5 feet MLLW exists in the Middle Half in the vicinity of NEW JERSEY C.R.R. BRIDGE.

**Reach D (Partial):**

- o Shoaling exists throughout the LOQ and the ROQ of this reach.
- o The controlling depth of -16.4 feet MLLW exists in the LOQ along the channel's toe approximately 1,400 feet landward of GREEN CAN #9 EBB.

