

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

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DATE 25 January 2024

**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</b> <b>Reach A: Great Beds Reach</b> From the approximate location of GREEN CAN #5 FLOOD to the approximate location of GREEN CAN #3 FLOOD.	File 5373/N1/N3/D Pages 2,3 of 14; 2,13 Nov, 11 Dec 2023 & 8,11 Jan 2024	300-1,025	0.63	25	19.7	23.6	21.5
<b>MAIN CHANNEL</b> <b>Reach B: South Amboy Reach</b> From the approximate location of GREEN CAN #3 FLOOD to New Jersey C.R.R. Bridge.	File 5373/N1/N3/D Pages 3-6 of 14; 2,13 Nov, 11 Dec 2023 & 8,11 Jan 2024	300-380	1.17	25	18.3	20.5	19.1
<b>MAIN CHANNEL</b> <b>Reach C: Sandy Point Reach</b> From New Jersey C.R.R. Bridge to HWY 35 Victory Bridge.	File 5373/N1/N3/D Pages 6-8 of 14; 2,13 Nov, 11 Dec 2023 & 8,11 Jan 2024	300-370	0.92	25	23.5	21.3	24.3
<b>MAIN CHANNEL</b> <b>Reach D: Keasbey Reach</b> From HWY 35 Victory Bridge to approximately 360 feet landward of GREEN CAN #13 EBB.	File 5373/N1/N3/D Pages 8-10 of 14; 2,13 Nov, 11 Dec 2023 & 8,11 Jan 2024	300-565	1.07	25	6.9	11.5	16.3
<b>MAIN CHANNEL</b> <b>Reach E: Red Root Reach</b> From approximately 360 feet landward of GREEN CAN #13 EBB to approximately 1,050 feet landward of GREEN #17 W/LIGHT EBB.	File 5373/N1/N3/D Pages 10, 12,13 of 14; 2,13 Nov, 11 Dec 2023 & 8,11 Jan 2024	300	0.96	25	11.5	16.3	10.6
<b>MAIN CHANNEL</b> <b>Reach F: Turning Basin</b> From approximately 1,050 feet landward of GREEN #17 W/LIGHT EBB and extends approximately 1,900 feet landward.	File 5373/N1/N3/D Pages 13-14 of 14; 2,13 Nov, 11 Dec 2023 & 8,11 Jan 2024	300-600	0.31	25	0.6	5.9	10.0
<b>SOUTH CHANNEL</b> <b>Reach J:</b> From approximately 350 feet landward of GREEN CAN #13 EBB to approximately 2,375 feet landward of GREEN CAN #13 EBB.	File 5373/N1/N3/D Pages 10-11 of 14; 2,13 Nov, 11 Dec 2023 & 8,11 Jan 2024	300-430	0.39	25	4.7	4.2	4.1
<b>SOUTH CHANNEL</b> <b>Reach K:</b> From approximately 2,375 feet landward of GREEN CAN #13 EBB to approximately 1,440 feet landward of the beginning of this reach.	File 5373/N1/N3/D Pages 11 of 14; 2,13 Nov, 11 Dec 2023 & 8,11 Jan 2024	300	0.20	25	7.4	3.0	2.5

**REMARKS:**

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

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

- Shoaling exists in the Left Outside Quarter and Right Outside Quarter and extends into the MH from LOQ.
- The controlling depth of -19.7 feet MLLW exists in the Left Outside Quarter along the channel's toe at the end of this reach approximately 30 feet seaward of GREEN CAN #3 FLOOD.

**Reach B:**

- Shoaling exists in the Left Outside Quarter for the first 355 feet at the seaward end of the reach and extends into the MH for 230 feet from the seaward end of the reach.
- Shoaling exists in the Right Outside Quarter and extends into the Middle Half for starting 250 feet from the seaward end of the reach until the last 2670 feet from the landward end of the reach.
- A spot shoal exists in the Middle Half at the end of the reach.
- The controlling depth of -18.3 feet MLLW exists in the Left Outside Quarter along the channel's toe at the near GREEN CAN #3 FLOOD

**Reach C:**

- Minor edge shoaling exists in the Left Outside Quarter and Right Outside Quarter.
- A spot shoal exists in the Middle Half on landward side of the NEW JERSEY C.R.R. BRIDGE.
- The controlling depth of -21.3 feet MLLW exists in the MH along the right channel next to the NEW JERSEY C.R.R. BRIDGE.

**Reach D:**

- Edge shoaling exists in the Left Outside Quarter and Right Outside Quarter and extends into the Middle Half. Shoaling extends channel wide for the last 1575 feet of landward end of this reach.
- The controlling depth of -6.9 feet MLLW exists in the Left Outside Quarter along the channel's toe at the end of this reach near the start of Reach J.

**Reach E:**

- Shoaling exists across the majority of this reach.
- The controlling depth of -10.6 feet MLLW exists in the Right Outside Quarter at approximately 1300 feet seaward from the landward end of this reach.

**Reach F:**

- Shoaling exists across the majority of this reach.
- The controlling depth of -0.6 feet MLLW exists in the Left Outside Quarter along the channel's toe at approximately 815 feet seaward from the landward end of this reach.

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

- Shoaling exists channel wide across this entire reach.
- The controlling depth of -4.1 feet MLLW exists in the Right Outside Quarter at several locations along the toe of the channel 1310 feet landward from the seaward 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 Right Outside Quarter at several locations along the toe of the channel 105 feet seaward from the landward the end of the reach.