

**REPORT OF CHANNEL CONDITIONS  
(FOR CHANNELS 400 FEET WIDE OR GREATER)**

**PAGE 1 OF 2 PAGES**

**DATE** 03 November 2021

**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:** Newark Bay, Hackensack & Passaic Rivers, NJ; Newark Bay – Main Channel

**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)	

**NEWARK BAY MAIN CHANNEL of Newark Bay, Hackensack & Passaic Rivers Navigation Channels Project**

<b>Reach A – Main Channel South:</b> Begins at the approximate location of RED #2 W/ LIGHT EBB and ends at a point approximately 135 feet landward of RED #10 W/ LIGHT EBB.	File #5095/D/N3, Pgs 1 - 3 of 27 AUG 2021, 10, 15-17, 20, 24, 28 SEP 2021	1,000 – 2,360	1.28	50	47.8	48.7	50.0	43.1
<b>Reach B – Main Channel Middle (South):</b> Begins at a point approximately 135 feet landward of RED #10 W/ LIGHT EBB and ends at a point approximately 435 feet seaward of RED NUN #16 EBB.	File #5095/D/N3, Pgs 3 & 4 of 8; 27 AUG 2021, 10, 15-17, 20, 24, 28 SEP 2021	1,655 - 800	0.87	50	40.9	42.7	43.9	41.2
<b>Reach B1 - Main Channel Middle (North):</b> Begins at a point approximately 435 feet seaward of RED NUN #16 EBB and ends at the approximate location of GREEN CAN #19A EBB.	File #5095/D/N3, Pgs 4 & 5 of 8; 27 AUG 2021, 10, 15-17, 20, 24, 28 SEP 2021	565-800	0.54	40	39.2	40.0	38.7	35.2
<b>Reach C - Main Channel North:</b> From the approximate location of GREEN CAN #19A EBB, to a point approximately 100 feet seaward of RED NUN #2 FLOOD.	File #5095/D/N3, Pgs 5 - 8 of 8; 27 AUG 2021, 10, 15-17, 20, 24, 28 SEP 2021	500-1,030	1.37	35	15.6	21.3	18.2	5.4

**REMARKS:**

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

**NEWARK BAY – MAIN CHANNEL**

- **Reach A:** Much of the shoaling exists in the Right Outside Quarter of the first half of this reach and also at the end of this reach. Sporadic shoaling exists in the Left Outside Quarter encroaching into the Left Inside Quarter in the vicinity of CAN #1 FLOOD. The controlling depth of -43.1 feet MLLW is located in the Right Outside Quarter approximately 135 feet landward of RED #10 W/LIGHT EBB.
- **Reach B:** Shoaling exists in the Right Outside Quarter, encroaching into the Right Inside Quarter at the beginning of this reach. Sporadic shoaling exists in the Left Outside Quarter throughout much of the reach. Shoaling exists across the full channel width at the end of this reach. The controlling depth of -40.9 feet MLLW is located in the Left Outside Quarter approximately 1100 feet landward of RED #14 W/LIGHT EBB.

- **Reach B1:** Shoaling exists in the Right Outside Quarter, encroaching into the Right Inside Quarter, for much of this reach. Sporadic shoaling exists in the Left Outside Quarter of this reach. The controlling depth of -35.2 feet MLLW is located in the Right Outside Quarter at approximately the end of this reach.
- **Reach C:** Much of this reach contains shoaling in the Right Outside Quarter, and Left Outside Quarter, along the channel's toe until the N.J. TURNPIKE BRIDGE. Thence shoaling exists throughout much of the channel's width through the channel's bend. The controlling depth of -5.4 feet MLLW is located along the channel's toe at the final bend of this reach, approximately 490 feet landward of the RED NUN #24 FLOOD.