

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

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DATE 1 March 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: 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)	
<b>NEWARK BAY MAIN CHANNEL of Newark Bay, Hackensack &amp; Passaic Rivers Navigation Channels Project</b>								
<b>Reach A – Main Channel South:</b> Begins approximately 100 feet landward RED #2 W/ LIGHT FLOOD and ends at a point approximately 120 feet landward of RED #10 W/ LIGHT FLOOD.	File #5400/D/N1 Pgs. 2 - 6 of 12. 1,16,23-24 & 29-31 JAN 2024	1,000 – 2,360	1.28	50	48.2	49.3	50.8	40.7
<b>Reach B – Main Channel Middle (South):</b> Begins at a point approximately 120 feet landward of RED #10 W/ LIGHT FLOOD and ends at a point approximately 560 feet seaward of RED NUN #16 FLOOD.	File #5400/D/N1 Pgs. 6 -8 of 12. 1,16,23-24 & 29-31 JAN 2024	1,655 - 800	0.87	50	44.4	46.1	48.2	38.3
<b>Reach B1 - Main Channel Middle (North):</b> Begins at a point approximately 560 feet seaward of RED NUN #16 FLOOD and ends at the approximate location of GREEN CAN #19A FLOOD.	File #5400/D/N1 Pgs 8 & 9 of 12. 1,16,23-24 & 29-31 JAN 2024	565-800	0.54	40	38.3	38.9	38.5	35.9
<b>Reach C - Main Channel North:</b> From approximate location of GREEN CAN #19A FLOOD and ends at a point approximately 75 feet seaward of RED #2 FLOOD.	File #5400/D/N1 Pgs 9 - 12 of 12. 1,16,23-24 & 29-31 JAN 2024	500-1,030	1.37	35	15.6	20.9	16.8	5.1

**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:** Shoaling exists in the Right Outside Quarter from the beginning of the reach and extends 965 ft. landward. Shoaling picks back up in the Right Outside Quarter 445 ft. seaward of RED #8 FLOOD and goes to the landward end of the reach. Shoaling exists in the Left Outside Quarter extending the Left Inside Quarter between GREEN #7 W/LIGHT FLOOD and GREEN #1 FLOOD. The controlling depth of -40.7 ft. MLLW is located in the Right Outside Quarter along the outside edge right at the end of the reach.
- **Reach B:** Shoaling exists in the Right Outside Quarter the entire length of this reach. Shoaling exists in the Left Outside Quarter for the first 1,025 ft. of the seaward end of the reach. Shoaling picks back up in the Left Inside and Outside Quarters 325 ft. seaward of RED #2 FLOOD. Shoaling exists across the full channel for the last 625 ft. of the landward end of this reach. The controlling depth of -38.3 ft. MLLW is located in the Right Outside Quarter along the right outside edge approximately 115 ft. landward of RED #14 W/LIGHT FLOOD.
- **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 in the vicinity of GREEN #17 W/LIGHT FLOOD. The controlling depth of -35.9 ft. MLLW is located in the Right Outside Quarter approximately 275 ft. landward of RED # 16 FLOOD.
- **Reach C:** At the start of the reach on the Right Outside Quarter shoaling exists across most of this quarter for approximately 375 ft. landward. Then minor shoaling on both outside edges along the length of the reach. Starting approximately 5,000 ft. from the start of the reach, major shoaling exists in the Right Inside and Outside Quarters extending in the Left Inside Quarter. Starting where the reach turns to the left, major shoaling in the Left Outside and Inside quarters until the landward end of the reach. The controlling depth of -5.1 ft. MLLW is located along outside edge of the Right Outside Quarter at the corner where the reach turns to the left.