

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

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DATE 21 August 2023

TO: The Record **FROM:** U.S. Army Corps of Engineers
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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

Reach A – Main Channel South: Begins approximately at RED #2 W/ LIGHT EBB and ends at a point approximately 80 feet landward of RED #10 W/ LIGHT EBB.	File #5319 Pgs. 2 - 6 of 12. 27-29 June, 5, 19 & 20 July 2023	1,000 – 2,360	1.28	50	48.2	49.8	49.7	41.3
Reach B – Main Channel Middle (South): Begins at a point approximately 80 feet landward of RED #10 W/ LIGHT EBB and ends at a point approximately 540 feet seaward of RED NUN #16 FLOOD.	File #5319 Pgs. 2 - 6 of 12. 27-29 June, 5, 19 & 20 July 2023	1,655 - 800	0.87	50	38.8	49.4	49.7	34.9
Reach B1 - Main Channel Middle (North): Begins at a point approximately 540 feet seaward of RED NUN #16 FLOOD and ends at the approximately 40 feet seaward of GREEN CAN #19 FLOOD.	File #5319 Pgs. 2 - 6 of 12. 27-29 June, 5, 19 & 20 July 2023	565-800	0.54	40	38.0	38.4	39.5	37.6
Reach C - Main Channel North: From approximately 40 feet seaward of GREEN CAN #19 FLOOD and ends at a point approximately 40 feet seaward of RED #2 FLOOD.	File #5319 Pgs. 2 - 6 of 12. 27-29 June, 5, 19 & 20 July 2023	500-1,030	1.37	35	20.6	21.0	18.0	5.3

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 of the first half of this reach and also at the end of this reach. Sporadic shoaling exists in the Left Outside Quarter. The controlling depth of -41.3 feet 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, encroaching into the Right Inside Quarter at the beginning of this reach. Shoaling exists in the Left Outside Quarter throughout much of the reach. Sporadic shoaling exists across the full channel width at the end of this reach. The controlling depth of -34.9 feet MLLW is located in the Right Outside Quarter along the right outside edge approximately 1165 feet seaward of the end of this reach.
- **Reach B1:** Shoaling exists in the Left Outside Quarter, encroaching into the Left Inside Quarter, for the first half of this reach. Sporadic shoaling exists in both the Left Inside and Outside Quarters at the beginning of this reach. The controlling depth of -37.6 feet MLLW is located in the Right Outside Quarter along the outside edge at approximately 780 feet landward from the beginning of this reach.
- **Reach C:** At the start of the reach on the Right Outside Quarter shoaling exists across much of this quarter for approximately 340 feet landward. Then shoaling exists on both outside edges along the length of the reach. Starting approximately 5000 feet from the start of the reach shoaling exists in the Right Inside and Outside Quarters. Starting where the reach turns to the left, shoaling in both the Left and Right Outside and Inside quarters. The controlling depth of -5.3 feet MLLW is located along outside edge of the Right Outside Quarter at the corner where the reach turns to the left.

