

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

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DATE 24 July 2024

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 – Port Newark

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 D - Port Newark Branch Reach: Begins approximately at location of GREEN #17 W/LIGHT FLOOD and extends to a point approximately 750 feet landward of CAN #3 FLOOD.	File #5463/N3/N4 Sheet 2 - 3 of 5; 8, 9 & 10 July 2024	400-1,785	0.38	40	37.1	38.2	38.8	39.0
Reach E - Port Newark Inshore Reach (East): Begins approximately 750 feet landward of CAN #3 FLOOD and extends to a point approximately 1,000 feet seaward of the end of the port (located approximately 5,358 feet landward of the start of the reach).	File #5463/N3/N4 Sheet 3 - 5 of 5. 8, 9, & 10 July 2024	400	0.90	40	38.0	38.8	38.8	36.5
Reach E1 - Port Newark Inshore Reach (West): Begins approximately 1,000 feet seaward of the end of the port and continues landward to the end of the port.	File #5463/N3/N4 Sheet 5 of 5. 8, 9, & 10 July 2024	400	0.16	35	24.0	28.2	27.5	27.2

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 D:** Shoaling exists throughout the Left and Right Outside Quarters, extending into the Left and Right Inside Quarters. The controlling depth of -37.1 feet MLLW exists in the Left Outside Quarter, near the channel's toe, at a point approximately 242 feet seaward from GREEN #1 W/LIGHT FLOOD.
- **Reach E:** Shoaling exists along the channel's toe in both the Left and Right Outside Quarters of this reach. The controlling depth of -36.5 feet MLLW exists along the outside edge of the Right Outside Quarter, approximately 1648 feet seaward from the end of this reach.
- **Reach E1:** Shoaling exists in the Right Outside Quarter and into the Right Inside Quarter at the beginning of this reach and expands across all four quarters to the end of this reach. The controlling depth of -24.0 feet MLLW exists in the Left Outside Quarter at approximately 45 feet from the end of this reach.