

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

DATE: 6 March 2025

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 – Port Newark and Port Newark Pierhead Channels

**MINIMUM DEPTHS IN EACH ¼ WIDTH OF
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (LOQ) (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (ROQ) (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (LIQ) (feet)	RIGHT INSIDE QUARTER (RIQ) (feet)	
Reach D - Port Newark Branch Reach: Begins approximately at location of CAN #1 FLOOD and extends to a point approximately 750 feet landward of CAN #3 EBB.	File #5521/D/N2/N4 Sheet 2 - 3 of 7; 2,3,9,10,12 December 2024	400-1,785	0.38	40	36.9	37.9	38.9	38.3
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 #5521/D/N2/N4 Sheet 3 - 7 of 7. 2,3,9,10,12 December 2024	400	0.90	40	39.5	40.3	40.3	37.4
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 #5521/D/N2/N4 Sheet 5 of 7. 2,3,9,10,12 December 2024	400	0.16	35	24.2	28.1	27.7	27.2
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)	
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
Reach F - Port Newark Pierhead Reach: Begins approximately at location of NUN #4 FLOOD and extends to approximately CAN #3 EBB.	#5521/D/N2/N4 Sheet 3, 6 – 7 of 7. 2,3,9,10,12 December 2024	300-750	0.65	40	36.5	37.0	36.2	

REMARKS:

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

NEWARK BAY – Port Newark and Port Newark Pierhead Channels:

- **Reach D:** Shoaling exists throughout the Left and Right Outside Quarters, extending into the Left and Right Inside Quarters. The controlling depth of -36.9 feet MLLW exists in the Left Outside Quarter, near the channel's toe, at a point approximately 248 feet seaward from GREEN LIGHT #1 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 -37.4 feet MLLW exists along the outside edge of the Right Outside Quarter, located at Channel Coordinate "PN-12".

- **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 -24.2 feet MLLW exists in the Left Outside Quarter at the end of this reach.
- **Reach F:** At the beginning of this reach, shoaling exists in the Right and Left Outside Quarters of the channel. Shoaling thence becomes as wide as the channel's entire width for much of the remainder of the reach. The controlling depth of -36.2 feet MLLW exists along the channel's toe in the Right Outside Quarter approximately 370 feet seaward (south) of NUN #10 FLOOD.