

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

DATE: 17 February 2023

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 GREEN #17 W/LIGHT EBB and extends to a point approximately 780 feet landward of CAN #3 FLOOD.	File #5217, Sheet 2-3 of 6; 02, 08-10, 12, 17-18, 22-25 August 2022 & 1, 6 September 2022.	400-1,785	0.38	40	35.6	37.1	37.2	34.7
Reach E - Port Newark Inshore Reach (East): Begins approximately 780 feet landward of CAN #3 FLOOD. and extends to a point approximately 1,000 feet seaward of the end of the port (located approximately 5,465 feet landward of the start of the reach).	File #5217, Sheet 3, 5-6 of 6; 02, 08-10, 12, 17-18, 22-25 August 2022 & 1, 6 September 2022.	400	0.90	40	38.2	39.7	39.7	36.4
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 #5217, Sheet 6 of 6; 02, 08-10, 12, 17-18, 22-25 August 2022 & 1, 6 September 2022.	400	0.16	35	30.4	28.8	28.4	28.0
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 FLOOD.	File #5217, Sheet 3-4 of 6; 02, 08-10, 12, 17-18, 22-25 August 2022 & 1, 6 September 2022.	300-750	0.65	40	37.4	39.4	39.3	

REMARKS:

- All reported depths are relative to 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 -34.7 feet MLLW exists in the Right Outside Quarter, near the channel's toe, at a point approximately 290 feet landward of CAN #19A 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 -36.4 feet MLLW exists in the Right Outside Quarter, approximately 2,160 feet landward of the beginning 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 -28.0 feet MLLW exists in the Right Outside Quarter at approximately the end of this reach.

Reach F:

- Shoaling on the channel toe exists in the Right and Left Outside Quarter throughout much of this reach.
- Sporadic spot shoaling exists in the Middle Half of this reach, beginning approximately 515 feet seaward of NUN #10 FLOOD.
- The controlling depth of -37.4 feet MLLW exists along the channel's toe in the Left Outside Quarter approximately in line with NUN #8 EBB.

