

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

DATE: 15 March 2022

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 760 feet landward of CAN #3 FLOOD.	File #5138, Sheet 2 of 4; 27. 28 January, 01, 02, 09 February 2022	400-1,785	0.38	40	36.5	37.8	37.9	33.5
Reach E - Port Newark Inshore Reach (East): Begins approximately 760 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 #5138, Sheet 2 - 4 of 4; 27. 28 January, 01, 02, 09 February 2022	400	0.90	40	38.3	39.8	39.8	37.1
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 #5138, Sheet 4 of 4; 27. 28 January, 01, 02, 09 February 2022	400	0.16	35	30.6	29.0	28.6	28.2
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 310 feet seaward of NUN #4 SLACK, to approximately GREEN CAN #3 FLOOD.	File #5138, Sheet 1 - 2 of 4; 27. 28 January, 01, 02, 09 February 2022	300-750	0.65	40	31.1	37.0	37.6	

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 -33.5 feet MLLW exists in the Right Outside Quarter, near the channel's toe, at a point approximately 200 feet landward of CAN #19A EBB.

Reach E:

- Shoaling exists along the channel's toe in both the Left and Right Outside Quarters of this reach.
- The controlling depth of -37.1 feet MLLW exists in the Left Outside Quarter, at two locations, approximately 95 and 3,395 feet seaward of 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 -28.2 feet MLLW exists in the Right Outside Quarter at approximately the end of this reach.

Reach F:

- Shoaling exists throughout much of this reach.
- The controlling depth of -31.1 feet MLLW exists in the Left Outside Quarter at approximately 300 feet seaward of NUN #6 FLOOD.