

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

**DATE:** 22 May 2020

**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)	
<b>Partial Reach D - Port Newark Branch Reach:</b> Begins approximately at location of GREEN #17 W/LIGHT FLOOD and extends to a point approximately 765 feet landward of GREEN #3 EBB. A lapse in survey coverage exists in the LOQ, LIQ, & RIQ for the first ~200 feet of this partial reach.	File #4926/D/N1, Sheet 2 of 4; 26 Feb to 26 Mar, 6 Apr 2020	400-1,785	0.38	40	38.2	39.8	39.4	24.3
<b>Reach E - Port Newark Inshore Reach (East):</b> Begins approximately 765 feet landward of GREEN #3 EBB 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 #4926/D/N1, Sheet 2 - 4 of 4; 26 Feb to 26 Mar, 6 Apr 2020	400	0.90	40	39.3	40.2	40.2	37.5
<b>Reach E1 - Port Newark Inshore Reach (West):</b> Begins approximately 1,000 feet seaward of the end of the port, and continues landward to the end of the port.	File #4926/D/N1, Sheet 4 of 4; 26 Feb to 26 Mar, 6 Apr 2020	400	0.16	35	30.9	29.6	29.0	28.4
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)				
<b>Reach F - Port Newark Pierhead Reach:</b> Begins approximately 80 feet seaward of RED NUN #4 EBB, to the approximate location of GREEN #3 EBB.	File #4926/D/N1, Sheet 1 - 2 of 4; 26 Feb to 26 Mar, 6 Apr 2020	300-750	0.65	40	35.2	35.6	34.6	

**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:**

- **Partial Reach D:**
- Sporadic shoaling exists throughout all four quarters of this partial reach.
- The controlling depth of -24.3 feet MLLW exists in the Right Outside Quarter, near the channel's toe, at a point approximately 215 feet landward of GREEN CAN #19A FLOOD.
- **Reach E:**
- Sporadic shoaling exists in both the Right Outside and Left Outside Quarters of this reach.
- The controlling depth of -37.5 feet MLLW exists in the Right Outside Quarter, near the channel's toe, at a point approximately 100 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. Shoaling exists across all four quarters at the end of this reach.
- The controlling depth of -28.4 feet MLLW exists in the Right Outside Quarter, near the channel's toe, at approximately the end of this reach.
  
- **Reach F:**
- Shoaling exists throughout much of this reach.
- The controlling depth of -34.6 feet MLLW exists in the Right Outside Quarter, near the channel's toe, at approximately 190 feet seaward of RED NUN #6 EBB.