

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

DATE: 08 NOV 2017

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 (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
Partial Reach D - Port Newark Branch Reach: Survey coverage begins at the approximate location of GREEN #1 W/LIGHT FLOOD & GREEN CAN #19A FLOOD, and extends to a point approximately 790 feet landward of GREEN #3 FLOOD.	Map #986, Sheet 2 of 4; 15-18, 24 AUG 2017	400-1,785	0.38	40	37.2	38.2	38.3	22.2
Reach E - Port Newark Inshore Reach (East): Begins approximately 790 feet landward of GREEN #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).	Map #986 Sheets 2 - 4 of 4; 15-18, 24 AUG 2017	400	0.90	40	37.6	37.1	36.2	35.1
Reach E1 - Port Newark Inshore (West): Begins approximately 1,000 feet seaward of the end of the port, and continues landward to the end of the port.	Map #986 Sheet 4 of 4; 15-18, 24 AUG 2017	400	0.16	35	32.1	30.7	30.1	30.1
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 50 feet seaward of RED NUN #4 FLOOD, to a point approximately 60 feet seaward of GREEN #3 FLOOD.	Map #986, Sheets 1 & 2 of 4; 15-18, 24 AUG 2017	300-750	0.65	40	38.0	38.7	36.6	

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:**
 - Shoaling exists throughout much of the Left Outside Quarter (LOQ) and Left Inside Quarter (LIQ) of this partial reach, starting from the commencement of survey coverage in the vicinity of GREEN #1 W/LIGHT FLOOD, to a point approximately 320 feet landward of GREEN #3 FLOOD.
 - Shoaling exists throughout much of the Right Outside Quarter (ROQ) and Right Inside Quarter (RIQ) of this partial reach, starting from approximately GREEN CAN #19A FLOOD, to a point approximately 175 feet seaward of GREEN #3 FLOOD
 - The controlling depth of 22.2 below MLLW within the ROQ is located 235 feet landward of GREEN CAN #19A FLOOD, along the boundary of the channel.

o Reach E:

- o Shoaling exists throughout much of the LOQ and LIQ from the beginning of the reach and continues to a point located approximately 2,110 feet landward just before the channel's bend, with a maximum of width of approximately 195 feet.
- o Shoaling exists throughout much of the entire ROQ and RIQ starting from approximately 200 feet landward of the beginning of the reach and continues to a point located approximately 2,275 feet landward just beyond the channel's bend, with a maximum of width of approximately 180 feet.
- o Shoaling exists throughout much of the channel's entire width, starting from approximately 2,700 feet from the beginning of the reach (approximately 340 feet landward of the channel's bend) and continues to the end of the reach at a point located approximately 2,760 feet landward (approximately 1,000 feet seaward of the end of the port).

o Reach E1:

- o Shoaling exists in the ROQ and RIQ starting from approximately 150 feet landward of the beginning of the reach and continues approximately 365 feet landward, with a maximum width of approximately 120 feet.
- o Shoaling existing throughout much of the channel's entire width, starting from approximately 645 feet landward of the beginning of reach and continues landward to the end of the reach.

o Reach F:

- o Periodic shoaling exists in the LOQ, starting from the approximate location of RED NUN #4 FLOOD, and continues landward for approximately 1,275 feet with a maximum width of approximately 110 feet.
- o Shoaling exists in the ROQ and part of the Middle Half (MH), starting from the approximate location of RED NUN #4 FLOOD, to a point located approximately 1,070 feet landward of RED NUN #6 FLOOD with a maximum width of approximately 140 feet.
- o Shoaling exists throughout much of the channel's entire width for approximately the last 1,600 feet of this reach.