

**REPORT OF CHANNEL CONDITIONS  
100 TO 400 FEET WIDE**

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**DATE 14 March 2018**

**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; Passaic River, NJ

**MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM  
SEAWARD**

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 A: Kearny Point Reach</b> Begins at the junction between the Hackensack and Passaic Rivers at a point approximately 375 feet seaward of RED/GREEN DAY MARKER W/LIGHT to a point approximately 1,905 feet landward of RED NUN #4 FLOOD.	File No. 989 Pgs 1 & 2 of 14; 1, 6-8, 13, 28-30 NOV 2017 12, 21-22 DEC 2017	300	1.00	30	14.1	9.1	9.5
<b>Reach B: Point No Point Reach</b> From a point approximately 1,905 feet landward of RED NUN #4 FLOOD to a point approximately 1,000 feet seaward of the NEW JERSEY TURNPIKE BRIDGE.	File No. 989 Pgs 2 - 5 of 14; 1, 6-8, 13, 28-30 NOV 2017 12, 21-22 DEC 2017	300 - 340	1.13	30	2.5	5.7	9.0
<b>Reach C: Harrison Reach</b> From a point approximately 1,000 feet seaward of the NEW JERSEY TURNPIKE BRIDGE to JACKSON STREET BRIDGE in Harrison, NJ.	File No. 989 Pgs 5 - 8 of 14; 1, 6-8, 13, 28-30 NOV 2017 12, 21-22 DEC 2017	300 - 385	1.87	20	3.0	4.8	5.0
<b>Reach D: Newark Reach</b> From the JACKSON STREET BRIDGE in Harrison, NJ to the CLAY STREET BRIDGE in Newark, NJ.	File No. 989 Pgs 8 - 11 of 14; 1, 6-8, 13, 28-30 NOV 2017 12, 21-22 DEC 2017	170 - 300	1.28	20*	+0.7	8.1	3.8
<b>Reach E: Kearny Reach</b> From the CLAY STREET BRIDGE in Newark, NJ to a point where the channel narrows to 200 feet wide and the authorized project depth becomes 16 feet.	File No. 989 Pgs 11-13 of 14 1, 6-8, 13, 28-30 NOV 2017 12, 21-22 DEC 2017	300	0.85	20*	+1.4	8.7	+2.5
<b>Reach F: Arlington Reach</b> From a point where the channel narrows to 200 feet wide and the authorized project depth becomes 16 feet to the E.R.R. BRIDGE in Arlington, NJ where the authorized project depth becomes 10 feet.	File No. 989 Pgs 13&14 of 14; 1, 6-8, 13, 28-30 NOV 2017 12, 21-22 DEC 2017	200 - 250	0.89	16	2.0	4.6	1.4
<b>Partial Reach G: Belleville Reach</b> Survey coverage begins at the E.R.R. BRIDGE in Arlington, NJ, and extends to a point approximately 1,100 feet landward of the beginning of this reach.	File No. 989 Pg 14 of 14; 1, 6-8, 13, 28-30 NOV 2017 12, 21-22 DEC 2017	235 - 150	1.43	10	0.3	1.5	12.7

**REMARKS:**

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.
- \*Reaches D & E were never completed to a 20 foot depth. Previous dredging was to 16 feet only.

**PASSAIC RIVER**

- **Reach A:** Shoaling occupies the entire length and width of this reach. The controlling depth of -9.1 feet exists in the Middle Half approximately 1,815 feet landward of RED NUN #4 FLOOD.
- **Reach B:** Shoaling occupies the entire length and width of this reach. The controlling depth of -2.5 feet exists in the Left Outside Quarter approximately 1,235 feet seaward of the New Jersey Turnpike Bridge.
- **Reach C:** Shoaling exists throughout the majority of the length and width of this reach. Project depth becomes available sporadically in areas throughout this reach. The controlling depth of -3.0 feet exists in the Left Outside Quarter approximately 5,680 feet landward of the New Jersey Turnpike Bridge.
- **Reach D:** Shoaling occupies the majority of this reach. Project depth becomes available sporadically in areas throughout this reach; predominately in the Left Outside Quarter and the Middle Half of the channel. The controlling depth of +0.7 feet exists in the Left Outside Quarter approximately 615 feet seaward of the Clay Street Bridge.

- **Reach E:** Shoaling occupies the majority of this reach. The controlling depth of +2.5 feet exists in the Right Outside Quarter approximately 1,880 feet seaward of the point where the channel narrows to 200 feet wide.
- **Reach F:** Shoaling exists throughout the majority of the length and width of this reach. Project depth is available in the Right Outside Quarter and Middle Half of the channel for approximately the first 1,050 feet of this reach. Thence, project depth is available sporadically in areas throughout the remainder of this reach. The controlling depth of -1.4 feet exists in the Right Outside Quarter approximately 985 feet landward of the point where the channel narrows to 200 feet wide.
- **Partial Reach G:** Shoaling exists throughout much of this partial reach. Project depth is available in the Right Outside Quarter and Middle Half of the channel, for approximately the first 1,035 feet of this reach. The controlling depth of -0.3 feet exists in the Left Outside Quarter approximately 670 feet landward of the E.R.R. Bridge.