

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

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DATE 04 December 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, New Jersey - Hackensack River

**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 - Droyers Reach:</b> From junction between Hackensack and Passaic Rivers approximately 100 feet seaward of RED NUN #2 FLOOD, to Lincoln Highway.	File No. 5005/N3 Pg 1-3 of 7; 10, 12 November 2020	300 - 500	1.55	32*	16.1	23.3	17.6
<b>Reach B - Marion Reach:</b> From Lincoln Highway, to the beginning of the Turning Basin approximately 1,190 feet seaward of RED NUN #12 FLOOD.	File No. 5005/N3 Pg 3-6 of 7; 10, 12 November 2020	300 - 370	1.81	32*	14.8	15.5	16.3
<b>Reach C - Turning Basin:</b> From a point approximately 1,190 feet seaward of RED NUN #12 FLOOD, to the end of the turning basin at approximately 75 feet seaward of GREEN CAN #13 FLOOD.	File No. 5005/N3 Pg 6-7 of 7; 10, 12 November 2020	Irregular	0.24	25	13.7		
<b>Partial Reach D - Route #3 Highway:</b> Survey coverage exists from a point at approximately 75 feet seaward of GREEN CAN #13 FLOOD at the end of the turning basin, to a point at approximately 775 feet landward of GREEN CAN #15 FLOOD.	File No. 5005/N3 Pg 7 of 7; 10, 12 November 2020	200	4.17	15**	12.4	13.3	15.6

**REMARKS:**

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.
- \*Reaches A & B were never constructed to a 32 foot depth. Previous dredging was to a depth of 30 feet only.
- \*\* Reach D was never constructed to a 15 foot depth.

**HACKENSACK RIVER:**

- Reach A – Droyers Reach:** Shoaling exists in the Left Outside Quarter, Middle Half, and Right Outside Quarter of this reach. Much of the shoaling exists in the Right Outside Quarter extending to the Middle Half and the Left Outside Quarter extending to the Middle Half. The controlling depth of -16.1 feet MLLW is located in the Left Outside Quarter approximately 315 feet seaward of the end of this reach.
- Reach B – Marion Reach:** Shoaling exists at the beginning of this reach in the Left Outside Quarter, Middle Half, and Right Outside Quarter of the channel. Sporadic shoaling exists throughout this reach. The controlling depth of -14.8 feet MLLW is located in the Left Outside Quarter approximately 1,895 feet seaward of the end of this reach.
- Reach C – Turning Basin:** Shoaling exists in the southwestern corner of the Turning Basin in the vicinity of GREEN CAN #13 FLOOD. The controlling depth of -13.7 feet MLLW is located on the western boundary of the Turning Basin approximately 90 feet north of GREEN CAN #13 FLOOD.
- Partial Reach D – Route #3 Highway:** Shoaling exists in the Left Outside Quarter extending into the Middle Half of this reach. Sporadic shoaling exists throughout this reach. The controlling depth of -12.4 feet MLLW is located in the Left Outside Quarter approximately 510 feet seaward of GREEN CAN #15 FLOOD.