

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

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DATE 11 March 2019

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)			
Reach A - Droyers Reach: From junction between Hackensack and Passaic Rivers approximately 110 feet seaward of RED NUN #2, to Lincoln Highway.	Map 216 Pg 1-3 of 7; 4, 9-10, 16 October 2018	300 - 500	1.55	32*	17.3	23.5	17.5
Reach B - Marion Reach: From Lincoln Highway, to the beginning of the Turning Basin approximately 1,460 feet seaward of GREEN CAN #13.	Map 216 Pg 3-6 of 7; 4, 9-10, 16 October 2018	300 - 370	1.81	32*	20.3	18.3	13.3
Reach C - Turning Basin: From a point approximately 1,460 feet seaward of GREEN CAN #13, to the end of the turning basin at approximately GREEN CAN #13.	Map 216 Pg 6-7 of 7; 4, 9-10, 16 October 2018	Irregular	0.24	25	14.0		
Partial Reach D - Route #3 Highway: Survey coverage exists from a point at approximately GREEN CAN #13 at the end of the turning basin, to a point at approximately 800 feet landward of GREEN CAN #15.	Map 216 Pg 7 of 7; 4, 9-10, 16 October 2018	200	4.17	15**	12.4	13.9	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 of the channel, commencing at approximately 190 feet landward from the beginning of the reach, continuing for approximately 990 feet landward, having a maximum width of approximately 45 feet. Shoaling exist in the Left Outside Quarter along the channel's toe approximately 215 feet landward from GREEN #5 and continues approximately 425 feet landward. Shoaling exists in the Left Outside Quarter of the channel, beginning approximately 855 feet landward from GREEN #5, continuing until 175 feet landward from GREEN #7 EBB. Shoaling exists throughout the entire width of the channel, beginning in the vicinity of GREEN #9 and continues until approximately 1,565 feet seaward of the end of the reach, with areas of project depth available intermittently throughout. Shoaling exists in the Right Outside Quarter of the channel, commencing at the beginning of the reach and extending into the Middle Half approximately 160 feet landward. Shoaling continues until approximately 230 feet landward of RED NUN #6, with a maximum width of approximately 220 feet. Shoaling exists in the Right Outside Quarter of the channel, from approximately 2,705 feet seaward of the end of the reach and continues to the end of the reach. The controlling depth of -17.3 feet MLLW is approximately 55 feet seaward from end of reach in the Left Outside Quarter.
- Reach B – Marion Reach:** Shoaling exists in the Right Outside Quarter of the channel, from the beginning of the reach until approximately 330 feet landward, where it extends across the width of the channel. Shoaling continues across much of the width of the channel approximately 590 feet landward, where it tapers to the Right Outside Quarter until the vicinity of Pulaski Skyway. Shoaling exists in the Left Outside Quarter of the channel and intermittently throughout the Middle Half of the channel, approximately 1015 feet seaward of Pulaski Skyway and continues until approximately 105 feet landward of the same. Sporadic shoaling exists throughout much of the entire channel's width from approximately 300 feet landward of Pulaski Skyway and continues until approximately 1130 feet landward of GREEN #11 EBB. Shoaling exists in the Left and Right Outside Quarters of the channel, in the vicinity of NJ Highway and D.L & W. RR, with a maximum width of approximately 80 feet. The controlling depth of -13.3 feet MLLW is located in the Right Outside Quarter below the PRR Bridge.
- Reach C – Turning Basin:** Shoaling exists in the southwestern corner of the Turning Basin near GREEN CAN #13 EBB, having the approximate dimensions of 650 feet long by 275 feet wide. Project depth is available in the majority of the Turning Basin. The controlling depth of -14.0 feet MLLW is located on the western boundary of the Turning Basin near GREEN CAN #13 EBB.
- Partial Reach D – Route #3 Highway:** Shoaling exists in the Left Outside Quarter and Middle Half of the channel, commencing approximately 355 feet landward of the beginning of the reach and continuing approximately 1150 feet landward. The controlling depth of -12.4 feet MLLW is located near the channel's toe in the Left Outside Quarter, approximately 485 feet seaward of GREEN CAN #15 EBB.