

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

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DATE 08 February 2023

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 105 feet seaward of RED NUN #2 FLOOD, to Lincoln Highway.	File No. 5232 Pg 1-5 of 10; 17, 18 October 2022	300 - 500	1.55	32*	22.0	22.9	17.5
Reach B - Marion Reach: From Lincoln Highway, to the beginning of the Turning Basin approximately 1,050 feet seaward of RED NUN #4 FLOOD.	File No. 5232 Pg 5-9 of 10; 17, 18 October 2022	300 - 370	1.81	32*	15.2	12.6	13.1
Reach C - Turning Basin: From a point approximately 1,050 feet seaward of RED NUN #4 FLOOD, to the end of the turning basin at approximately 45 feet seaward of GREEN CAN #13 SLACK.	File No. 5232 Pg 9 of 10; 17, 18 October 2022	Irregular	0.24	25	13.8		
Partial Reach D - Route #3 Highway: Survey coverage exists from a point at approximately 45 feet seaward of GREEN CAN #13 SLACK at the end of the turning basin, to a point at approximately 735 feet landward of GREEN CAN #15 SLACK.	File No. 5232 Pg 9-10 of 10; 17, 18 October 2022	200	4.17	15**	12.9	13.7	16.2

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 -17.5 feet MLLW is located in the Right Outside Quarter approximately 270 feet landward of Red Nun #2 FLOOD.
- **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 -12.6 feet MLLW is located in the Middle Half approximately 2,050 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 SLACK. The controlling depth of -13.8 feet MLLW is located on the western boundary of the Turning Basin approximately 75 feet northeast 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 -12.9 feet MLLW is located in the Left Outside Quarter approximately 555 feet seaward of GREEN CAN #15 SLACK.

