

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

**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 location of RED NUN #2 EBB, to Lincoln Highway Bridge.	File No. 5396/N3 Pg 2 - 5 of 10; 9 & 11 Jan 2024 and 6 Feb 2024	300 - 500	1.55	32*	24.0	22.5	17.3
<b>Reach B - Marion Reach:</b> From Lincoln Highway Bridge to the beginning of the Turning Basin approximately 1,355 feet seaward of RED NUN #12 FLOOD.	File No. 5396/N3 Pg 5 - 9 of 10; 9 & 11 Jan 2024 and 6 Feb 2024	300 - 370	1.81	32*	20.6	21.8	18.0
<b>Reach C - Turning Basin:</b> From a point approximately 1,355feet seaward of RED NUN #12 FLOOD, to the end of the turning basin at the approximate location adjacent of GREEN CAN #13 FLOOD.	File No. 5396/N3 Pg 9 of 10; 9 & 11 Jan 2024 and 6 Feb 2024	Irregular	0.24	25	13.5		
<b>Partial Reach D - Route #3 Highway:</b> Survey coverage exists from the end of the turning basin at the approximate location adjacent of GREEN CAN #13 FLOOD to a point at approximately 770 feet landward of GREEN CAN #15 FLOOD.	File No. 5396/N3 Pg 9 - 10 of 10; 9 & 11 Jan 2024 and 6 Feb 2024	200	4.17	15**	12.9	13.9	15.8

**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 Right Outside Quarter and Middle Half of this reach from the seaward beginning of the reach until 215 feet landward of RED NUN #8 EBB. Shoaling exists along the toe of the Left Outside Quarter extending until adjacent to GREEN LIGHTED DAYBEACON #9. Starting 840 feet landward of RED NUN #8 EBB until the end of the reach shoaling exists in several places across both Outside Quarters and the Middle Half. The controlling depth of -17.3 feet MLLW is located in the Right Outside Quarter approximately 150 feet landward of Red NUN #2 EBB.
- 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 -18.0 feet MLLW is located in the Right Outside Quarter approximately 900 feet landward of railroad bridge within the 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 -13.5 feet MLLW is located on the western boundary of the Turning Basin in the vicinity 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 525 feet seaward of GREEN CAN #15 FLOOD.