

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-306)**

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DATE April 18, 2011

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 and Passaic Rivers – Hackensack River, New Jersey

**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 (n miles)	DEPTH (feet)			
Reach A (Droyers Reach): From junction between Hackensack and Passaic Rivers approximately 60 feet seaward of RED NUN #2 to Lincoln Highway.	Map 207 Pg 2 thru 4 of 8; 21-23 March 2011	300 - 500	1.55	32*	25.3	24.1	17.3
Reach B (Marion Reach): From Lincoln Highway to the beginning of the Turning Basin approximately 1,460 feet seaward of GREEN CAN #13.	Map 207 Pg 4 thru 7 of 8; 21-23 March 2011	300 - 370	1.73	32*	26.4	25.7	19.5
Reach C (Turning Basin): From the beginning of the turning basin at a point approximately 1,460 feet seaward of GREEN CAN #13 to the end of the turning basin approximately at GREEN CAN #13.	Map 207 Pg 7 thru 8 of 8; 21-23 March 2011	Irregular	0.23	25	14.3		
Partial Reach D (Route #3 Highway): From approximately GREEN CAN #13 at the end of the turning basin to a point approximately 800 feet landward of GREEN CAN #15.	Map 207 Pg 8 of 8; 21-23 March 2011	200	0.34	15**	13.1	13.7	15.4

REMARKS:

- All depths in MLW.
- Channel length is in nautical miles.

HACKENSACK RIVER:

- **Reach A:** In various areas of the reach, there is shoaling across the entire width of the channel. Project Depth is, however, available starting from approximately 60 feet seaward of RED NUN #2 to approximately 850 feet landward of RED NUN #8 in an irregular passageway with at least a 175 foot width along the Left Outside Quarter and Middle Half of the channel. Project Depth is also available in various sections covering the majority of the width of the channel throughout this reach including approximately the last 1,330 feet of the reach.
- **Reach B:** A navigable path having a minimum approximate width of 140 feet exists for approximately the first 600 feet of this reach. Thence, shoaling exists across the channel's entire width for approximately the next 470 feet of the reach. Shoaling exists in much of the Right Outside Quarter from approximately 1,900 feet seaward of PULASKI SKYWAY to approximately 1,140 feet landward of GREEN CAN #11. Within those same parameters, sporadic shoaling exists throughout the Middle Half and Left Outside Quarter of the channel. Shoaling exists across much of the channel's width from approximately GREEN CAN #11 for approximately the next 1,140 feet. Project depth is available for the majority of the width of the channel beginning from approximately 1,140 feet landward of GREEN CAN #11 to the end of the reach; however, significant shoaling underneath the P.R.R. (Passenger), P.R.R. (Freight), and Newark Turnpike bridge crossings does exist within these parameters along with some areas of shoaling along the channel toe lines.
- **Reach C (Turning Basin):** Shoaling exists in the southwest portion of this reach having an approximate length of 625 feet, and an approximate width of 280 feet. Shoaling also exists in the northern most corner of the turning basin.
- **Partial Reach D:** Shoaling begins approximately 365 feet landward of GREEN CAN #13 along the Left Outside Quarter of this partial reach, and extends into the Middle Half of the channel ending approximately 295 feet landward of GREEN CAN #15.

*Reaches A & B were never completed to a 32 foot depth. Previous dredging was to 30 feet only.

** Reach D was never completed to a 15 foot depth. Previous dredging was to 12 feet only.