

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

DATE: 17 March 2014

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, New Jersey – Hackensack River Channel

MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD

Name of Reach	PAGES & 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: The reach begins approximately 80 feet seaward of RED NUN #2 and extends to the north side of the Lincoln Highway Bridge.	File #210 pgs 2 through 4 of 8; 18,24 Dec 13; 13, 16 Jan 14; 4,24 Feb 14	300-400	1.56	32	25.0	23.6	11.8*
Reach B, Marion Reach: Marion Reach extends from the north side of the Lincoln Highway Bridge to approximately 1350 feet seaward of RED NUN #12.	File #210 pgs 4 through 7 of 8; 18,24 Dec 13; 13, 16 Jan 14; 4,24 Feb 14	300	1.80	32	19.3	21.1	18.0
Reach D, Route #3 Highway (partial): The partial reach begins approximately 25 feet seaward of GREEN CAN #13 (just after the turning basin) and extends to approximately 790 feet landward of GREEN CAN #15.	File #210 pgs 7 and 8 of 8; 18,24 Dec 13; 13, 16 Jan 14; 4,24 Feb 14	200-360	0.58	15	13.3	13.2	15.7
Name of Reach	PAGES & DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE (feet)	MIDDLE (feet)	RIGHT OUTSIDE (feet)
		WIDTH (feet)	AREA (acres)	DEPTH (feet)			
Reach C, Turning Basins: The turning basins expand left and right of the channel from approximately 1320 feet seaward of RED NUN #12 to the approximate location of GREEN CAN #13	File #210 pgs 7 and 8 of 8; 18,24 Dec 13; 13, 16 Jan 14; 4,24 Feb 14	300-700 (Irregular)	18.9	25	14.6	26.7	24.5

REMARKS:

- All depths are in reference to Mean Lower Low Water (MLLW).
- Channel Length is in nautical miles.

HACKENSACK RIVER:

- ***Reach A, Droyers Reach:** There is an anomalous depth of 11.8 feet beside the abutment on the east side of the Lincoln Highway Bridge, otherwise, the next shallowest depth is 18.4 feet. Shoals exist throughout the channel in the Left Outside Quarter, Middle Half, and Right Outside Quarter from the start of the reach to the end of the reach at the Lincoln Highway Bridge.
- **Reach B, Marion Reach:** Shoals exist throughout the channel from the start of the reach to approximately 1100 feet landward of GREEN CAN #11. Shoals also exist beginning approximately 2550 feet landward of Green CAN #11 and continue approximately 1760 feet landward the next railroad bridge. Several spot shoals also exist in the toes of the Left and Right Outside Quarters landward of this bridge.
- **Reach D, Route #3 Highway:** Shoals fill the Left Quarter and extend into the Middle Half from approximately 320 feet landward of GREEN CAN #13 to approximately 160 feet seaward of GREEN CAN #15. Small spot shoals exist in the middle half from approximately 20 feet landward of GREEN CAN #15 to approximately 290 feet landward of the same.
- **Reach C, Turning Basins:** The left outside edge of the Turning Basin is shoaled from 400 feet seaward of the start to the end of the basin at the approximate location of GREEN CAN #13. There is also a spot shoal in the Right Outside part of the Turning Basin in the vicinity of RED NUN #12.