

**REPORT OF CHANNEL CONDITIONS
(FOR CHANNELS 400 FEET WIDE OR GREATER)**

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DATE 04 March 2016

TO: The Record

FROM: U.S. Army Corps of Engineers
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New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE: Newark Bay, Hackensack & Passaic Rivers, New Jersey; Newark Bay – Main Channel: South and Middle Reaches

MINIMUM DEPTHS IN EACH ¼ WIDTH OF CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
Reach A – Main Channel South: The reach begins at a point approximately 175 feet landward of RED #2 W/ LIGHT and extends to a point approximately 45 feet landward of RED #10 W/ LIGHT.	Map 961, Pgs 1 -4 of 5; 10-12, 17 Aug and 1, 2, 10, 14, 23 & 24 Sep 2015	1,000 – 2,360	1.28	50	50.1	50.5	51.0	48.8
Reach B – Main Channel Middle: The reach begins at a point approximately 45 feet landward of RED #10 W/ LIGHT and extends to a point approximately 320 feet seaward of RED NUN #16.	Map 961, Pgs 4 & 5 of 5; 10-12, 17 Aug and 1, 2, 10, 14, 23 & 24 Sep 2015	1,655 - 810	0.87	50	47.4	47.0	47.2	47.3

REMARKS:

- All reported depths are relative to C.O.E. Mean Low Water datum
- Channel reach lengths are in nautical miles

NEWARK BAY

- **Reach A – Main Channel South:** The controlling depth in the Right Outside Quarter of this reach occurs at a point approximately 100 feet seaward of RED #10 W/ LIGHT. There is minor shoaling along the edge of the Right Outside Quarter beginning landward of RED #8 and continuing to the end of the reach.
- **Reach B – Main Channel Middle:** Shoaling exists along the channel's toe in both the Left and Right Outside Quarters for much of this reach. There is a shoal which extends across the width of the Left Outside Quarter and into the Left Inside Quarter beginning approximately 130 feet seaward of RED NUN #2 and continues landward to approximately 100 feet seaward of GREEN CAN #15A. There is shoaling in the Right Outside Quarter which begins at the approximate location of RED LIGHT #14 and, moving landward, extends into the Right Inside Quarter. Shoaling also exists across the channel's entire width (all four quarters) for approximately the last 125 feet of this reach.