

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

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DATE: 27 May 2016

TO: The Record

FROM: U.S. Army Corps of Engineers
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RIVER/HARBOR NAME AND STATE: Newark Bay, Hackensack & Passaic Rivers, NJ;
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)	
MAIN CHANNEL of Newark Bay, Hackensack & Passaic Rivers Navigation Channels Project								
Reach A – Main Channel South Reach: From a point approximately 75 feet seaward of RED #18 W/ LIGHT, to a point approximately 140 feet landward of RED #10 W/ LIGHT.	Map 968, Pgs 1 - 4 of 5; 8,11,16-19,22-25,29 FEB & 2,4 MAR 2016	1,000 – 2,360	1.28	50	49.7	50.3	51.0	47.7
Reach B – Main Channel Middle Reach (South): From a point approximately 140 feet landward of RED #10 W/ LIGHT, to a point approximately 510 feet landward of GREEN CAN #15A.	Map 968, Pgs 4 & 5 of 5; 8,11,16-19,22-25,29 FEB & 2,4 MAR 2016	1,655 - 810	0.87	50	46.0	45.8	46.3	45.6

REMARKS:

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

NEWARK BAY

- **Reach A – Main Channel South Reach:** Shoaling exists along the channel's toe throughout portions of the Right Outside Quarter of this reach. Sporadic spot shoaling also exists in the Right Outside Quarter of this reach, within the parameters of approximately 360 feet landward of RED #4 W/LIGHT and approximately 1,120 feet landward of the same. Some spot shoaling exists in the Left Outside Quarter of this reach, within the parameters of approximately 850 feet landward of GREEN BUOY #7 W/LIGHT and approximately 1,660 feet landward of the same.
- **Reach B – Main Channel Middle Reach (South):** Shoaling exists along the channel's toe in both the Left and Right Outside Quarters for much of this reach. Shoaling also extends across the width of the Left Outside Quarter and into the Left Inside Quarter beginning approximately 200 feet seaward of RED NUN #2 and continues landward to approximately 40 feet seaward of GREEN CAN #15A. Shoaling exists throughout much of the Right Outside Quarter of the channel, beginning approximately 725 feet seaward of RED #12 W/ LIGHT and continues landward to the end of this reach. Shoaling also exists in all four quarters of the channel for approximately the last 610 feet of this reach.