

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

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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

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)	
NEWARK BAY MAIN CHANNEL of Newark Bay, Hackensack & Passaic Rivers, NJ								
Reach A – Main Channel South: Begins approximately 90 feet seaward of RED #18 W/LIGHT EBB, and ends at a point approximately 130 feet landward of RED #10 W/LIGHT EBB.	File #4923/D/N1, Pgs 1 - 3 of 8; 26 Feb to 26 Mar 2020	1,000 – 2,360	1.28	50	49.2	49.8	51.1	44.4
Reach B – Main Channel Middle (South): Begins at a point approximately 130 feet landward of RED #10 W/LIGHT EBB, and ends at a point approximately 520 feet seaward of RED NUN #16 FLOOD.	File #4923/D/N1, Pgs 3 - 4 of 8; 26 Feb to 26 Mar 2020	1,655 - 800	0.87	50	45.1	46.1	47.3	37.0
Reach B1 - Main Channel Middle (North): Begins at a point approximately 520 feet seaward of RED NUN #16 FLOOD, and ends at approximately 45 feet landward of GREEN CAN #19A FLOOD.	File #4923/D/N1, Pg 5 of 8; 26 Feb to 26 Mar 2020	565 - 800	0.54	40	39.4	40.0	39.9	38.6
Reach C - Main Channel North: From approximately 45 feet landward of GREEN CAN #19A FLOOD, to a point approximately 40 feet seaward of RED NUN #2 EBB.	File #4923/D/N1, Pgs 5 - 8 of 8; 26 Feb to 26 Mar 2020	500 – 1,030	1.37	35	16.0	21.3	18.0	5.5

REMARKS:

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.

NEWARK BAY – MAIN CHANNEL

- **Reach A:** Much of the shoaling exists in the Right Outside Quarter, at the end of this reach. The controlling depth of -44.4 feet MLLW is located near the toe of the channel in the Right Outside Quarter, at the approximate end of this reach.
- **Reach B:** Much of the shoaling exists in the Right Outside Quarter and extends across all four quarters towards the end of this reach. The controlling depth of -37.0 feet MLLW is located near the toe of the channel in the Right Outside Quarter, at a point approximately 125 feet seaward of RED #14 W/ LIGHT EBB.
- **Reach B1:** Some sporadic shoaling exists throughout this reach. The controlling depth of -38.6 feet MLLW is located near the toe of the channel in the Right Outside Quarter, at a point approximately 60 feet seaward of RED NUN #16 FLOOD.

- **Reach C:** Shoaling exists in all four quarters throughout much of this reach. The controlling depth of -5.5 feet MLLW is located in the Right Outside Quarter, near the toe of the channel at its bend, at a point approximately 1,285 feet seaward of the end of this reach.