

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

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DATE: 18 May 2021

TO: The Record

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

RIVER/HARBOR NAME AND STATE:
Raritan River to Arthur Kill, Cut-Off Channel, NJ

**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 (Sole Reach): From junction with the Raritan River Channel in the vicinity of RED & GREEN "R" BUOY W/ LIGHT EBB; to the junction with the New York & New Jersey Channel approximately 1,615 feet landward of RED NUN #2 EBB.	File # 5049/D/N1 Pgs.1 & 2 of 2; 1,12,14 & 21 April 2021	600 – 1,740	1.0	20	16.3	18.7	16.0	15.5

REMARKS:

- All depths are in Mean Lower Low Water (MLLW) datum.
- Channel reach length is in nautical miles.
- For the purposes of this report, seaward is oriented toward the Raritan River and landward is toward the Arthur Kill.

CUT-OFF CHANNEL:

Reach A: Majority of shoaling exists in the beginning half of this reach, throughout all four quarters to approximately 555 feet landward of RED NUN #6 EBB, then continuing to taper into the Left and Right Inside and Outside Quarters for approximately 2,205 feet. The controlling depth of -15.5 feet MLLW exists in the Right Outside Quarter at approximately 130 feet and 215 feet landward of RED & GREEN "R" BUOY W/ LIGHT EBB.