

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

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DATE: 12 June 2018

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:
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; to the junction with the New York & New Jersey Channel approximately 135 feet landward of MOORING BUOY FLOOD.	Map 63 Pgs.1 & 2 of 2; 5-6, 11, 24 April 2018	600 – 1,740	1.0	20	17.8	19.4	17.9	17.9

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: Shoaling exists in the Right Outside and Inside Quarters of the channel from approximately 25 feet landward of the beginning of the channel to approximately 115 feet landward of GREEN CAN #5 FLOOD, with a maximum width of approximately 500 feet. Spot shoaling exists in the Left Outside and Inside Quarters of the channel approximately 80 feet landward of the beginning of the channel until approximately 385 feet landward of the same. Edge shoaling exists in the Left Outside Quarter of the channel from the approximate vicinity of RED BEACON #8 until approximately 130 feet landward of MOORING BUOY FLOOD, with a maximum width of approximately 95 feet.