

**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
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 approximately 60 feet seaward of RED & GREEN "R" BUOY W/ LIGHT; to the junction with the New York & New Jersey Channel approximately 2,410 feet landward of RED NUN #2 and approximately 2,250 feet landward of GREEN CAN #3.	Map 61 Pgs.1 & 2 of 2; 8, 9, 10 & 23 March 2016	600 – 1,740	1.0	20	19.2	20.1	19.4	16.3

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:

- Sporadic shoaling exists along the toe of the channel in the Left Outside Quarter beginning approximately 390 feet seaward of RED NUN #6 and extending approximately 2,990 feet landward with a maximum width of approximately 25 feet.
- Sporadic spot shoaling exists in the Right Outside Quarter and Right Inside Quarter of the channel beginning approximately 30 feet seaward of RED & GREEN "R" BUOY W/ LIGHT and extending approximately 270 feet landward.
- Shoaling exists along the toe of the channel in the Right Outside Quarter beginning approximately 870 feet landward of RED & GREEN "R" BUOY W/ LIGHT and extending approximately 60 feet landward with a maximum width of approximately 10 feet.