

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

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DATE: 31 March 2020

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:

New York and New Jersey Harbor; Kill Van Kull; Constable Hook Reach to Bergen Point West Reach, NY & 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 (n. miles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	

Kill Van Kull of New York & New Jersey Harbor

Reach A - Constable Hook Reach: From a point approximately 1,270 feet seaward of RED & GREEN KV BUOY LIT EBB to a point approximately 1,530 feet landward of GREEN CAN #9 W/LIGHT FLOOD.	File 4912, Sheets 1-6 of 9; 30 Jan, 3-4 Feb 2020	800-2,000	2.52	50	43.9	51.0	51.4	49.4
Reach B - Bergen Point East Reach: From a point approximately 1,530 feet landward of GREEN CAN #9 W/LIGHT FLOOD to a point approximately 440 feet landward of GREEN #11 W/ LIGHT FLOOD.	File 4912, Sheets 6-8 of 9; 30 Jan, 3-4 Feb 2020	800 - 935	0.96	50	22.5	53.0	52.9	50.9
Reach C - Bergen Point West Reach: From a point approximately 440 feet landward of GREEN #11 W/ LIGHT FLOOD to a point at the approximate location of RED #18 W/LIGHT FLOOD.	File 4912, Sheets 8 & 9 of 9; 30 Jan, 3-4 Feb 2020	800-1,710	1.13	50	46.8	52.7	52.9	45.9

REMARKS:

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

Kill Van Kull:

- **Reach A:** Shoaling exists in the Left Outside Quarter starting approximately 470 feet seaward of GREEN #1 W/LIGHT FLOOD and continues until the approximate location of GREEN #5 W/LIGHT FLOOD. The controlling depth of -43.9 feet MLLW exists in the Left Outside Quarter at approximately 430 feet landward of GREEN #1 W/LIGHT FLOOD.
- **Reach B:** Spot shoal shoaling exists in the Left Outside Quarter of this reach approximately 350 feet seaward of the end of the reach. The controlling depth of -22.5 feet MLLW exists in the Left Outside Quarter at approximately 350 feet seaward of the end of the reach.
- **Reach C:** Intermittent shoaling exists along the channel toe in the Left Outside Quarter beginning approximately 730 feet seaward from GREEN #17 W/LIGHT FLOOD and continues approximately 1,100 feet landward. Shoaling exists in the Right Outside Quarter beginning approximately 490 feet seaward from RED #2 W/LIGHT FLOOD and continues landward until 75 feet of the approximate location of the buoy. The controlling depth of -45.9 feet MLLW exists in the Right Outside Quarter at approximately 240 feet seaward of RED #2 W/LIGHT FLOOD.