

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

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DATE: 25 January 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:

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 1,265 feet seaward of RED OVER GREEN W/ LIGHT FLOOD to a point approximately 1,670 feet landward of GREEN CAN #9 W/LIGHT FLOOD.	Map 1398, Sheets 1 through 6 of 9; 7, 8, 11, 19, 26 Dec. 2017	800-2,000	2.52	50	47.4	53.0	51.9	50.8
Reach B - Bergen Point East Reach: From a point approximately 1,670 feet landward of GREEN CAN #9 W/LIGHT FLOOD to a point approximately 440 feet landward of GREEN #11 W/ LIGHT FLOOD.	Map 1398, Sheets 6 through 8 of 9; 7, 8, 11, 19, 26 Dec. 2017	800 - 935	0.96	50	49.6	53.2	53.2	52.1
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.	Map 1398, Sheets 8 & 9 of 9; 7, 8, 11, 19, 26 Dec. 2017	800-1,710	1.13	50	49.6	53.0	53.4	49.0

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:** A shoal exists in the Left Outside Quarter, commencing approximately 50 feet seaward of GREEN #1 W/LIGHT FLOOD and continues landward for approximately 1,210 feet, having a maximum width of approximately 250 feet. Shoaling exists along the channel toe of the Left Outside Quarter commencing approximately 430 feet landward of GREEN #3 W/LIGHT FLOOD and continues landward for approximately 880 feet, having a maximum width of approximately 35 feet. The controlling depth of -47.4 feet MLLW exists approximately 580 feet landward of GREEN #1 W/LIGHT FLOOD.
- **Reach B:** Spot shoaling exists along the channel's toe of the Left Outside Quarter commencing approximately 30 feet landward of the beginning of the reach and continues landward for approximately 125 feet. The controlling depth of -49.6 feet MLLW exists at two locations along the channel toe of the Left Outside Quarter; approximately 40 feet and 150 feet landward of the beginning of the reach.
- **Reach C:** Spot shoaling exists along the channel toe of the Left Outside Quarter commencing approximately 575 feet seaward of GREEN #17 W/LIGHT FLOOD and continues landward for approximately 185 feet. Shoaling exists along the channel's toe of the Right Outside Quarter commencing approximately 255 feet seaward of RED #2 W/LIGHT FLOOD and continues approximately 70 feet landward. The controlling depth of -49.0 feet MLLW exists approximately 210 feet seaward of RED #2 W/LIGHT FLOOD.

