

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

PAGE 1 OF 1 PAGE

DATE: 06 December 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:
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/GREEN "KV" W/LIGHT EBB to a point approximately 1,615 feet landward of GREEN #9 W/LIGHT EBB. | File 5110/N3, Sheets 1-6 of 9; 2, 3, 4 Nov 2021 | 800-2,000 | 2.52 | 50 | 43.3 | 50.8 | 51.0 | 49.1 |
| Reach B - Bergen Point East Reach: From a point approximately 1,615 feet landward of GREEN #9 W/LIGHT EBB to a point approximately 175 feet seaward of RED #12A FLOOD. | File 5110/N3, Sheets 6-8 of 9; 2, 3, 4 Nov 2021 | 800 - 935 | 0.96 | 50 | 48.6 | 52.4 | 52.8 | 50.1 |
| Reach C - Bergen Point West Reach: From a point approximately 175 feet seaward of RED #12A FLOOD to a point at the approximate location of RED #18 W/LIGHT FLOOD. | File 5110/N3, Sheets 8-9 of 9; 2, 3, 4 Nov 2021 | 800-1,710 | 1.13 | 50 | 44.5 | 52.7 | 52.6 | 44.9 |

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 475 feet seaward of GREEN #1 W/LIGHT EBB and continues until the approximate location of GREEN #5 W/LIGHT FLOOD. The controlling depth of -43.3 feet MLLW exists in the Left Outside Quarter at approximately 455 and 500 feet landward of GREEN #1 W/LIGHT EBB.
- **Reach B:** Spot shoal shoaling exists in the Left Outside Quarter of this reach. The controlling depth of -48.6 feet MLLW exists in the Left Outside Quarter at approximately 65 feet landward of the beginning of this reach-
- **Reach C:** Intermittent shoaling exists along the channel toe in the Left Outside Quarter and the Right Outside Quarter of this reach. The controlling depth of -44.5 feet MLLW exists in the Left Outside Quarter at approximately 590 feet seaward of GREEN #17 W/LIGHT EBB.