

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

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DATE 04 January 2023

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;
Arthur Kill Channel, 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)	
Reach D: Begins at the approximate location of RED #18 W/LIGHT FLOOD and continues to approximately 900 feet landward of RED #24 EBB.	File No. 5242, Pg. 5-7 of 7; 17, 21-22 November 2022	550 – 1200	1.07	50	41.8	44.8	48.7	46.0
Reach F: Begins approximately 900 feet landward of RED #24 EBB and continues to approximately 160 feet seaward of the Arthur Kill Vertical Lift Bridge.	File No. 5242, Pg. 2-5 of 7; 17, 21-22 November 2022	500 – 700	0.93	50	44.4	50.8	49.6	40.9
Partial Reach G: Begins approximately 160 feet seaward of the Arthur Kill Vertical Lift Bridge and continues for approximately 2,345 feet.	File No. 5242, Pg. 2 of 7; 17, 21-22 November 2022	500 – 600	0.74	40	28.0	43.0	43.0	41.7

REMARKS:

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

ARTHUR KILL:

- **REACH D:** Shoaling exists in the Right Outside Quarter extending into the Right Inside Quarter and in the Left Outside Quarter extending into the Left Inside Quarter. The controlling depth of -41.8 feet MLLW exists near the toe of the channel in Left Outside Quarter, approximately 1,450 feet landward of GREEN/RED JUNCTION "A" FLOOD.
- **REACH F:** Shoaling exists mostly in the Right Outside and Left Outside Quarters. The controlling depth of -40.9 feet MLLW exists along the toe of the channel in the Right Outside Quarter, approximately 2,715 feet seaward from the end of this reach.
- **PARTIAL REACH G:** Shoaling exists in the Left Outside Quarter around the GOETHALS BRIDGE abutment. The controlling depth of -28.0 feet MLLW exists along the toe of the channel in the Left Outside Quarter, approximately 850 feet landward of the beginning of this reach.