

REPORT OF CHANNEL CONDITIONS (FOR CHANNELS 400 FEET WIDE OR GREATER)						PAGE	1	OF	2
						DATE	10 August 2022		
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: Buttermilk Channel, New York						MINIMUM DEPTHS IN EACH ¼ WIDTH OF CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)	
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)					
Reach A (Southern Portion of 40 Ft. Half of Main Channel): From the junction with the Anchorage Channel at approximately 2,940 feet seaward of GREEN #1 W/ LIGHT & GONG FLOOD to channel's first bend approximately 2,285 feet landward of the same.	File #5206/N3; Pgs. 1 & 3 of 4; 2, 3 August 2022	500	0.95	40	40.0	40.0	39.8	39.5	
Reach B (Northern Portion of 40 Ft. Half of Main Channel): From channel's first bend approximately 2,285 feet landward of GREEN #1 W/ LIGHT & GONG FLOOD to the channel's junction with East River, approximately 3,725 feet landward of GREEN CAN #7 SLACK.	File #5206/N3; Pgs. 3-4 of 4; 2, 3 August 2022	500	1.30	40	41.2	39.3	40.3	34.9	
Reach C: Widening at junction with Red Hook Channel and Anchorage Channel. From approximately 4,485 feet landward of GREEN #11 W/ LIGHT & GONG FLOOD to the approximate location of the same.	File #5206/N3; Pg. 1 of 4; 2, 3 August 2022	Irregular	Irregular	35	34.2				
Reach D (Southern Portion of 35 Ft. Half of Main Channel): From the junction with the Anchorage Channel at approximately 2,940 feet seaward of GREEN #1 W/ LIGHT & GONG FLOOD to channel's first bend approximately 2,285 feet landward of the same.	File #5206/N3; Pgs. 1 & 3 of 4; 2, 3 August 2022	500	0.83	35	34.9	34.9	35.0	35.0	
Reach E (Northern Portion of 35 Ft. Half of Main Channel): From channel's first bend approximately 2,285 feet landward of GREEN #1 W/ LIGHT & GONG FLOOD to the channel's junction with East River, approximately 3,725 feet landward of GREEN CAN #7 SLACK.	File #5206/N3; Pgs. 3-4 of 4; 2, 3 August 2022	500	1.20	35	33.7	35.4	37.0	36.8	
Reach F: Widening at junction with Anchorage Channel to approximately GREEN #1 W/ LIGHT & GONG FLOOD.	File #5206/N3; Pg. 1-2 of 4; 2, 3 August 2022	Irregular	Irregular	35	34.9				
Reach G: Widening at junction with East River, commencing approximately 2,165 feet landward of GREEN CAN #7 SLACK.	File #5206/N3; Pg. 4 of 4; 2, 3 August 2022	Irregular	Irregular	35	35.0				
REMARKS:									
<ul style="list-style-type: none"> All reported depths are relative to Mean Lower Low Water (MLLW) datum. Channel reach lengths are in nautical miles. 									
BUTTERMILK CHANNEL									
<ul style="list-style-type: none"> Reach A: Isolated spot shoaling exists in the Right Inside Quarter. The controlling depth of -39.5 feet MLLW exists in the Right Outside Quarter approximately 2,485 feet seaward of the end of the reach. 									

BUTTERMILK CHANNEL:

- **Reach B:** Isolated edge shoaling exists in the Right Outside Quarter near the end of this reach. The controlling depth of -34.9 feet MLLW exists in the Right Outside Quarter along the channel's toe, approximately 250 feet seaward of the end of the reach.
- **Reach C:** Some spot shoaling exists near the center of this reach. The controlling depth of -34.2 feet MLLW exists in the vicinity of the southernmost corner, approximately 1,460 feet northeast of GREEN #11 W/ LIGHT & GONG FLOOD.
- **Reach D:** Minor spot shoals exist in the Left Outside Quarter and Left Inside Quarter of this reach. The controlling depth of -34.9 feet MLLW exists in the Left Outside Quarter 100 feet seaward of GREEN #1 W/ LIGHT & GONG FLOOD and in two spots in the Left Inside Quarter, approximately 670 feet seaward and 620 feet landward of GREEN #1 W/ LIGHT & GONG FLOOD.
- **Reach E:** Sporadic edge shoaling exists in the Left Outside Quarter of this reach. The controlling depth of -33.7 feet MLLW exists in the Left Outside Quarter of this reach, near the channel's toe, approximately 1,100 feet landward of GREEN CAN #7 SLACK.
- **Reach F:** Minor spot shoals exist in this reach. The controlling depth of -34.9 feet MLLW exists approximately 675 feet seaward of GREEN #1 W/ LIGHT & GONG FLOOD.
- **Reach G:** No shoaling exists in this reach. The controlling depth of -35.0 feet MLLW exists at the approximate location of the junction with the East River.