

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-306)**

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DATE 18 November 2003

TO: THE RECORD

FROM: U.S. Army Corps of Engineers
26 Federal Plaza
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**

SECTION OR REACH	MAP FILE NO. SURVEY DATE	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
EASTERLY HALF								
REACHES A & B: Main Channel	Map 91 p 1 & 2 Oct. 9,17, 20, 21 & 23, 2003	500	2.3	40	39.0	39.5	39.7	39.9
REACH C: Widening at junction with Red Hook Channel	Map 91 p 1 of 2 Oct. 9,17, 20, 21 & 23, 2003	Irregular	Irregular	35	Minimum	Depth in is	this 32.6	section
WESTERLY HALF								
REACHES D & E: Main Channel ⁽¹⁾	Map 91 p 1 & 2 Oct. 9,17, 20, 21 & 23, 2003	500	2.3	35	31.8	32.4	33.6	35.1
REACH F: Widening at junction with Anchorage Channel	Map 91 p 1 of 2 Oct. 9,17, 20, 21 & 23, 2003	Irregular	Irregular	35	Minimum	Depth in is	this 34.2	section
REACH G: Widening at junction with the East River	Map 91 p 2 of 2 Oct. 9,17, 20, 21 & 23, 2003	Irregular	Irregular	35	Minimum	Depth in is	this 36.0	section

REMARKS:

- (1) The soundings indicated minimum shoaling of the project channel in general, typically only a few tenths of a foot above the authorized depth of 35' and 40' below MLW. Shoaling one foot or greater occurs mostly in the middle of the Westerly half of the channel about 200' before the first major bend in the channel.