

**REPORT OF CHANNEL CONDITIONS
< 100 FEET WIDE
(ER 1130-2-306)**

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DATE April 12, 2005

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:
Browns Creek, NY

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM
SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			80% OF CHANNEL WIDTH (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)	
Reach A: From 6-ft contour in Great South Bay to upper limit of 6-ft project, South of Browns River Road, first bend. (0.0 – 0.3 mil)	Map 45 Pg 1 & 2 of 3 29,30,31 Mar & 4,6,7, Apr 2005	50	0.3	6	4.3
Reach B: From Browns River Road to the third bend, about 650-ft north of bend at Bay Ave (0.3 – 0.6 mil)	Map 45 Pg 2 & 3 of 3 29,30,31 Mar & 4,6,7, Apr 2005	50	0.24	4	2.7
Reach C: From the point 650-ft north of bend at Bay Ave to about 1,800-ft south of Sayville Highway Bridge. (0.6 – 0.9 mil)	Map 45 Pg 3 of 3 29,30,31 Mar & 4,6,7, Apr 2005	50	0.24	4	2.1

REMARKS:

- All depths in MLW
- Channel length is in nautical miles.
- **Reach A:** Some insignificant shoaling exists at the head of the channel for about 350 feet. Some additional shoaling exists between the stone jetties at several locations along each side of the channel with a minimal depth of 4.3 feet at the depth transition.
- **Reach B:** Minimal shoaling occurs only along the channel toe lines. The shallow spots are near the bulkheads with minimal depth of 2.7 feet.
- **Reach C:** Minimal shoaling occurs only along the channel toe lines. The shallow spots are near the bulkheads with minimal depth of 2.1 feet. In several areas the bulkhead and pilings are extended into Federal Navigation Channel.