

<b>REPORT OF CHANNEL CONDITIONS</b> <b>100 TO 400 FEET WIDE</b> <i>(ER 1130-2-306)</i>					<b>PAGE</b> 1 <b>OF</b> 1		
					<b>DATE</b> 2 December 2014		
<b>TO:</b> The Record				<b>FROM:</b> U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090			
<b>RIVER/HARBOR NAME AND STATE:</b> Browns Creek, New York					<b>MINIMUM DEPTHS IN</b> <b>CHANNEL ENTERING FROM SEAWARD</b>		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
<b>Reach A:</b> From the channel entrance, approximately 830 feet seaward of GREEN FIXED AID #1, to the upper limit of the 6 foot project, approximately 132 feet seaward of channel's first bend (Browns River Road).	File No. 52 Pg 2 & 3 of 4  15-18 Jul 2014	100	0.30	6	0.2	2.9	1.4
<b>Reach B:</b> From the upper limit of the 6 foot project, approximately 132 feet seaward of channel's first bend (Browns River Road), to the third bend in the channel, approximately 300 feet seaward of Terry Street.	File No. 52 Pg 3 & 4 of 4  15-18 Jul 2014	100	0.25	4	0.7	1.6	0.1
<b>Reach C:</b> From the third bend in the channel, approximately 300 feet seaward of Terry Street, to a point approximately 518 feet landward of the channel's fourth bend.	File No. 52 Pg 4 of 4  15-18 Jul 2014	100	0.24	4	0.9	0.9	0.2

**REMARKS:**

- All depths in Mean Lower Low Water (project originally authorized to Mean Low Water).
- Channel Length is in nautical miles

**BROWNS CREEK**

- Reach A:** Shoaling begins at the beginning of the channel and extends approx. 270 feet landward in the Left Outside Quarter, approx. 120 ft. landward in the Middle Half, and approx. 15 ft. landward in the Right Outside Quarter. Shoaling also exists in the Left Outside Quarter approx. at GREEN FIXED AID #1 and in the Right Outside Quarter approx. 50 feet landward of GREEN FIXED AID #1 and extends into the Middle Half approx. 480 ft. landward of GREEN FIXED AID #1. Shoaling continues to widen until the entire channel is shoaled at approx. 280 feet from the landward end of the reach, and continues to the end of the reach. It should also be noted that shoaling exists for 230 feet from the beginning of the project (0.0 mile) to the 6 foot contour in Great South Bay.
- Reach B:** Shoaling commences at the beginning of the reach in both the Left and Right Outside Quarters and extending into the Middle Half of the channel for approx. 620 feet landward. Additional shoaling in the Left Outside Quarter exists seaward of the second bend from approx. 130 feet to 165 feet seaward, and 20 feet to 95 feet seaward. Shoaling in the Right Outside Quarter exists at the second bend and extends for approx. 200 feet landward covering approx. half of the width. The entire channel is predominately shoaled from approx. 250 feet from the landward end of the reach and extends to the end of the reach.
- Reach C:** The entire channel is predominately shoaled from the seaward end of the reach continuing landward for approx. 780 feet except for a narrow unshoaled area starting approx. 85 feet from the seaward end of the reach and widening to include the Left Outside Quarter and Middle Half 160 feet landward of the fourth bend. Throughout this shoaled area mooring piles exist in both Outside Quarters. Shoaling of the Right quarter continues landward for another 130 feet. Project depth is available in the remaining portion of the reach except for approx. the last 350 feet of the Left Outside Quarter and portions of the left side of the Middle Half where bulkheads and mooring plies have encroached into the channel.