

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE					PAGE 1 OF 1		
					DATE 1 July 2015		
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, New York					MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		
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)			
Reach A: From the channel entrance, approximately 815 feet seaward of GREEN FIXED AID W/ LIGHT #1, to the upper limit of the 6 foot project, approximately 132 feet seaward of channel's first bend (Browns River Road).	File No. 53 Pg 2 & 3 of 4 6-9 April 2015	100	0.30	6	0.7	2.9	1.5
Reach 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. 53 Pg 3 & 4 of 4 6-9 April 2015	100	0.25	4	0.9	1.7	0.5
Reach C: 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. 53 Pg 4 of 4 6-9 April 2015	100	0.24	4	1.2	1.9	0.5
REMARKS: <ul style="list-style-type: none"> All depths are relative to Mean Lower Low Water (MLLW). Channel reach lengths are in nautical miles. 							
BROWNS CREEK <ul style="list-style-type: none"> Reach A: Shoaling exists at the entrance of the channel in the Left Outside Quarter and continues approximately 100 feet landward with a width of the quarter and then gradually tapering along the channel's toe. Shoaling also exists in the Middle Half commencing at the channel's entrance and continuing approximately 35 feet landward with a maximum width of approximately 25 feet. Shoaling also exists in the Left Outside Quarter approximately 85 feet landward of GREEN FIXED AID W/ LIGHT #1, extending into the Middle Half having a maximum width of approximately 40 feet and in the Right Outside Quarter approximately 140 feet landward of GREEN FIXED AID W/ LIGHT #1 and extends into the Middle Half having a maximum width of approximately 65 feet. Shoaling continues to widen until the entire channel is shoaled at approximately 500 feet landward of RED FIXED AID W/ LIGHT #2, and continues to the end of this reach (approximately 132 feet seaward of the channel's first bend). Reach B: Shoaling commences at the beginning of the reach in both the Left and Right Outside Quarters and extends into the Middle Half of the channel for approximately 670 feet landward. Additional shoaling in the Left Outside Quarter exists beginning approximately 680 feet landward of the beginning of the reach and continues approximately 190 feet landward covering approximately the width of the quarter. Shoaling in the Right Outside Quarter exists at the second bend and extends for approximately 200 feet landward with a maximum width of approximately 20 feet. Thence, shoaling continues in the Right Outside Quarter commencing approximately 390 feet seaward from the third bend in the channel (end of the reach) and widens across the entire channel approximately 250 feet landward from the end of the reach and continues to the reach's limit. Reach C: The entire channel is predominately shoaled from the seaward end of the reach continuing landward for approximately 925 feet except for an area within the Left Outside Quarter and Middle Half approximately 200 feet landward from the beginning of the reach having a maximum width of approximately 60 feet and a narrow unshoaled area starting approximately 360 feet from the beginning of the reach and widening to include the Left Outside Quarter and Middle Half approximately 160 feet landward of the fourth bend. Throughout this shoaled area mooring piles exist in both Outside Quarters. Project depth is available in the remaining portion of the reach except for approximately the last 350 feet of the Left Outside Quarter and portions of the Middle Half where bulkheads and mooring piles have encroached into the channel. 							