

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE					PAGE 1 OF 1		
					DATE 2 June 2016		
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 850 feet seaward of GREEN FIXED AID W/ LIGHT #1, to the upper limit of the 6 foot project, approximately 115 feet seaward of channel's first bend.	File No. 54 Pg 2 & 3 of 4 13, 15, & 18 April 2016	100	0.30	6	0.8	2.9	1.2
Reach B: From the upper limit of the 6 foot project, approximately 115 feet seaward of channel's first bend, to the third bend in the channel, approximately 300 feet seaward of Terry Street.	File No. 54 Pg 3 & 4 of 4 13, 15, & 18 April 2016	100	0.25	4	0.8	1.8	0.6
Reach C: From the third bend in the channel, approximately 300 feet seaward of Terry Street, to a point approximately 515 feet landward of the channel's fourth bend.	File No. 54 Pg 4 of 4 13, 15, & 18 April 2016	100	0.24	4	1.1	0.9	1.4

REMARKS:

- All depths are relative to Mean Lower Low Water (MLLW).
- Channel reach lengths are in nautical miles.

BROWNS CREEK

- Reach A:** Shoaling exists at the entrance of the channel across the entire width and gradually tapers into the Left Outside Quarter, ending approximately 350 feet landward from the entrance of the channel. A spot shoal exists in the Left Outside Quarter commencing approximately 400 feet from the channel's entrance and continues 75 feet landward. Shoaling exists in the Left Outside Quarter beginning approximately 75 feet seaward of GREEN FIXED AID W/ LIGHT #1 and thence widens across the entire width of that channel, approximately 90 feet landward of GREEN FIXED AID W/ LIGHT #1, continuing approximately 800 feet landward for the remainder of the reach.
- Reach B:** Shoaling commences at the beginning of the reach (approximately 145 feet seaward of the channel's first bend) in both the Left and Right Outside Quarters and extends into the Middle Half of the channel for approximately 730 feet landward. Additional shoaling in the Left Outside Quarter, extending into the Middle Half exists beginning approximately 80 feet seaward of the channel's second bend and extends approximately 80 feet landward, having a maximum width of approximately 40 feet, thence continues intermittently along the channel's toe for approximately 240 feet landward. Shoaling commences along the channel's toe in the Right Outside Quarter beginning in the vicinity of the channel's second bend and continues approximately 185 feet landward, having a maximum width of approximately 20 feet. Another shoal exists along the channel's toe in the Right Outside Quarter commencing approximately 425 feet seaward of the channel's third bend, thence widening across the entire channel approximately 205 feet landward and continues for the remainder of the reach, approximately 180 feet landward.
- Reach C:** The entire channel is predominately shoaled from the seaward end of the reach (the channel's third bend) continuing landward for approximately 1,165 feet, except for an area within the Middle Half commencing approximately 605 feet landward from the beginning of the reach, gradually widening into the Left Outside and Right Outside Quarters. 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 shoaling, bulkheads and mooring piles have encroached into the channel. Shoaling exists for the final 105 feet along the channel's toe in the Right Outside Quarter, having a maximum width of approximately 5 feet.