

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE**

PAGE 1 **OF** 1

DATE 25 May 2017

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 approximately 115 feet seaward of channel's first bend.	File No. 55 Pg 2 & 3 of 4 5 & 10 April 2017	100	0.30	6	0.9	3.5	0.9
Reach B: From 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. 55 Pg 3 & 4 of 4 5 & 10 April 2017	100	0.25	4	0.5	2.2	+0.2
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. 55 Pg 4 of 4 5 & 10 April 2017	100	0.24	4	1.0	0.4	0.1

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 395 feet landward from the entrance of the channel. A spot shoal exists in the Left Outside Quarter and Middle Half commencing approximately 605 feet from the channel's entrance and continues 60 feet landward. Shoaling exists in the Left Outside Quarter beginning approximately 10 feet landward of GREEN FIXED AID W/ LIGHT #1 and thence widens across the entire width of that channel, approximately 105 feet landward of GREEN FIXED AID W/ LIGHT #1, and continues to the landward terminus of the reach.
- **Reach B:** Shoaling commences at the beginning of the reach in both the Left and Right Outside Quarters and intermittently tapers into the Middle Half of the channel for the next, approximately, 600 feet landward. Additional shoaling in the Left Outside Quarter and Middle Half exists, commencing approximately 100 feet seaward of the channel's second bend and continues approximately 110 feet landward. A spot shoal exists along the channel toe of the Left Outside quarter commencing approximately 135 feet landward of the channel's second bend, and continues approximately 30 feet landward. Shoaling exists along the channel toe of the Right Outside Quarter commencing in the vicinity of the channel's second bend and continues approximately 210 feet landward, having a maximum width of approximately 20 feet. Further shoaling exists along the channel toe of the Right Outside Quarter commencing approximately 410 feet seaward of the channel's third bend, thence widening across the entire channel approximately 160 feet landward and continues landward for the remainder of the reach, approximately 255 feet.
- **Reach C:** The entire channel is predominately shoaled for the entire length of the reach, except for an area within the Middle Half commencing approximately 660 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 375 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 90 feet along the channel's toe in the Right Outside Quarter, having a maximum width of approximately 20 feet.