

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

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DATE 21 May 2019

**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)			
<b>Reach A:</b> From the channel entrance, approximately 850 feet seaward of GREEN FIXED AID W/ LIGHT #1, to approximately 125 feet seaward of channel's first bend.	File No. 57, Pgs 2 & 3 of 4; 16-18,24 April 2019	100	0.30	6	0.7	3.4	0.4
<b>Reach B:</b> From approximately 125 feet seaward of channel's first bend, to the third bend in the channel, approximately 300 feet seaward of Terry Street.	File No. 56, Pgs 3 & 4 of 4; 16-19, 24 April 2019	100	0.25	4	0.3	2.2	+0.2
<b>Reach C:</b> From the third bend in the channel, approximately 300 feet seaward of Terry Street, to a point approximately 520 feet landward of the channel's fourth bend.	File No. 56, Pg 4 of 4; 16-18,24 April 2019	100	0.24	4	1.5	0.7	+0.2

**REMARKS:**

- All reported depths are relative to the Mean Lower Low Water (MLLW) datum.
- 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 of the entrance of the channel. Shoaling exists in the Left Outside Quarter beginning at the approximate location of GREEN FIXED AID W/ LIGHT #1, and it widens across the width of the channel until the end of the reach. A controlling depth of -0.4 feet MLLW exists in the Right Outside Quarter of the channel, approximately 130 feet seaward of the end 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 as it continues landward for approximately the next 700 feet. Thence shoaling exists intermittently in the Left and Right Outside Quarter, commencing approximately 100 feet seaward of the channel's second bend and continues until approximately 180 feet seaward of the end of the reach, where it extends across the channel's entire width for the remainder of the reach. A controlling depth of +0.2 feet MLLW exists in the Right Outside Quarter the channel approximately 115 feet landward of the beginning of the reach and approximately 235 feet seaward of the end of the reach.
- **Reach C:** Shoaling exists across the entire width of the channel for much of the length of this reach, with project depth becoming available sporadically throughout the reach. A controlling depth of +0.2 feet MLLW exists in the Right Outside Quarter of the channel approximately 275 feet landward of the beginning of the reach.