

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

PAGE 1 OF 1 PAGE

DATE 14 June 2022

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 880 feet seaward of GREEN LIGHT #1, to approximately 120 feet seaward of channel's first bend. | File No. 5171/AL, Pgs 1-3 of 6; 19, 20 April 5, 9 May 2022 | 100 | 0.30 | 6 | 1.2 | 1.8 | 0.8 |
| Reach B: From approximately 120 feet seaward of channel's first bend, to the third bend in the channel, approximately 300 feet seaward of Terry Street. | File No. 5171/AL, Pgs 4-5 of 6; 19, 20 April 5, 9 May 2022 | 100 | 0.25 | 4 | 1.6 | 1.8 | 1.0 |
| 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. 5171/AL, Pgs 5-6 of 6; 19, 20 April 5, 9 May 2022 | 100 | 0.24 | 4 | 1.4 | 1.7 | 1.6 |

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 across the entire channel starting approximately 975 feet from the start of the channel. A controlling depth of -0.8 feet MLLW exists in Right Outside Quarter, approximately 585 feet landward of RED LIGHT #1.
- **Reach B:** Shoaling exists in the entire reach at both the Left and Right Outside Quarters and intermittently tapers into the Middle Half of the channel as it continues landward, completely covering the Middle Half starting approximately 200 feet from the end of the reach. A controlling depth of -1.0 feet MLLW exists in the Right Outside Quarter of the channel, at approximately the first bend of the channel.
- **Reach C:** Shoaling exists across the entire width of the channel for almost the entire reach. A controlling depth of -1.4 feet MLLW exists in the Left Outside Quarter of the channel, approximately 30 feet from the end of this reach.