

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

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DATE 03 October 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:
Glen Cove 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: Commence approximately 550 feet seaward of the southwestern most point of Mercadante Beach to the downstream limit of the 50 foot wide channel. | Request 4829 Sheets 1-2 of 3; 10-12 June 2019 | 100-50 | 0.56 | 8 | 0.1 | 2.0 | +1.2 |

**REPORT OF CHANNEL CONDITIONS
<100 FEET WIDE**

| NAME OF CHANNEL | DATE OF SURVEY | AUTHORIZED PROJECT | | | MIDDLE 80% (feet) |
|--|---|--------------------|-----------------|--------------|-------------------|
| | | WIDTH (feet) | LENGTH (nmiles) | DEPTH (feet) | |
| Reach B: From the end of Reach A at the start of the 50 foot wide channel to a distance approximately 1.005 feet landward. This reach ends at the second bend in the channel. | Request 4829 Sheet 2-3 of 3; 10-12 June 2019 | 50 | 0.13 | 8 | 7.3 |
| Reach C: From the end of Reach B at the second bend in the channel to the eastern terminus of the project, a point approximately 650 feet landward. | Request 4829 Sheet 3 of 3; 10-12 June 2019 | 50 | 0.11 | 8 | 0.5 |

REMARKS:

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

GLEN COVE CREEK, NEW YORK:

- **Reach A:** Edge shoaling exists in the Right Outside Quarter and the Left Outside Quarter, extending to the Middle Half. The controlling depth of +1.2 feet MLLW exists in the Right Outside Quarter approximately 955 feet landward from the beginning of this reach.
- **Reach B:** Edge shoaling exists along the channel toe in the Left Edge and extends into the Middle 80% and along the channel's toe in the Right Edge and extends into the Middle 80% from the beginning of the reach until the end of the reach. The controlling depth of -7.3 feet MLLW exists in the Middle 80% at approximately 45 feet seaward from the end of the reach.
- **Reach C:** The majority of the reach is shoaled across the width of the channel. The controlling depth of -0.5 feet MLLW exists in the Middle 80% at approximately 45 feet seaward from the end of the reach.