

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

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DATE 19 January 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:
Long Island Intracoastal Waterway, 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 (n miles)	DEPTH (feet)			
Reach A: Begins at the intersection of the Patchogue River and the Great South Bay Channel and ends approximately 105 feet seaward of GREEN W/LIGHT 1 FLOOD.	File #5082 Sheets 6-12; 10 August – 07 October 2021	100	3.46	6	7.0	6.8	6.6
Reach B: Begins approximately 105 feet seaward of GREEN W/LIGHT 1 FLOOD and ends approximately 2,585 feet landward of RED NUN 10 FLOOD.	File #5082 Sheets 12-18; 10 August – 07 October 2021	100	3.67	6	3.8	4.0	4.3
Reach C: Begins approximately 2,585 feet landward of RED NUN 10 FLOOD and ends approximately 130 feet seaward of GREEN W/LIGHT 9 FLOOD.	File #5082 Sheets 18-23; 10 August – 07 October 2021	100	3.03	6	4.5	3.2	2.1
Reach D: Begins approximately 130 feet seaward of GREEN W/LIGHT 9 FLOOD and ends approximately 295 feet seaward of SHOALING BOUY FLOOD.	File #5082 Sheets 23-29; 10 August – 07 October 2021	100-253	3.46	6	0.1	+0.6	0.1
Reach E: Begins approximately 295 feet seaward of SHOALING BOUY FLOOD and ends approximately 540 feet seaward of GREEN W/LIGHT 31 EBB.	File #5082 Sheets 29-34; 10 August – 07 October 2021	100	2.86	6	+0.3	0.4	1.0
Reach F: Begins approximately 540 feet seaward of GREEN W/LIGHT 31 EBB and ends at JESSUP LANE BRIDGE.	File #5082 Sheets 34-38; 10 August – 07 October 2021	100-195	2.43	6	3.5	3.5	4.8

Reach G: Begins at JESSUP LANE BRIDGE and ends approximately 640 feet seaward of GREEN CAN 1 FLOOD.	File #5082 Sheets 38-43; 10 August – 07 October 2021	100-200	3.23	6	3.0	2.6	1.2
Reach H: Begins approximately 640 feet seaward of GREEN CAN 1 FLOOD and ends at PONQUOQUE BRIDGE.	File #5082 Sheets 43-51; 10 August – 07 October 2021	100	4.26	6	0.7	0.3	0.7
Reach I: Begins at PONQUOQUE BRIDGE and ends approximately 1,840 feet landward of RED W/LIGHT 34 EBB.	File #5082 Sheets 51-55; 10 August – 07 October 2021	100	3.05	6	0.9	3.3	3.1

REMARKS:

- All depths are relative to Mean Lower Low Water.
- The channel reach lengths are in nautical miles.

LONG ISLAND INTRACOASTAL WATERWAY

- **Reach A:**
 - No shoaling exists in this reach.
 - The controlling depth of -6.6 MLLW exists in the Right Outside Quarter approximately 2,390 feet seaward of the end of this reach.
- **Reach B:**
 - Shoaling exists along the toe of the Right Outside Quarter extending into the Middle Half and along the toe of the Left Outside Quarter extending into the Middle Half of this reach.
 - The controlling depth of -3.8 feet below MLLW exists in the Left Outside Quarter approximately 775 feet seaward of the end of this reach.
- **Reach C:**
 - Spot shoaling exist in the Middle Half of this reach.
 - Shoaling exists along the toe of the Right Outside Quarter extending into the Middle Half of this reach.
 - The controlling depth of -2.1 feet below MLLW exists in the Right Outside Quarter approximately 1,275 feet landward of RED W/LIGHT 6 FLOOD.
- **Reach D:**
 - Shoaling exists channel wide intermittently throughout this reach.
 - Spot shoaling exist in the Middle Half of this reach.
 - Shoaling exists along the toe of the Right Outside Quarter extending into the Middle Half and along the toe of the Left Outside Quarter extending into the Middle Half of this reach.
 - The controlling depth of +0.6 feet above MLLW exists in the Middle Half approximately 1,845 feet seaward of the end this reach.
- **Reach E:**
 - Shoaling exists channel wide intermittently throughout this reach.
 - Shoaling exists along the toe of the Right Outside Quarter extending into the Middle Half and along the toe of the Left Outside Quarter extending into the Middle Half of this reach.
 - The controlling depth of +0.3 feet below MLLW exists in the Left Outside Quarter approximately 2,415 feet seaward of SHOALING BOUY EBB.

- **Reach F:**
 - Shoaling exists channel wide intermittently throughout this reach.
 - Shoaling exists along the toe of the Right Outside Quarter extending into the Middle Half and along the toe of the Left Outside Quarter extending into the Middle Half of this reach.
 - The controlling depth of -3.5 feet below MLLW exists in the Left Outside Quarter and the Middle Half at the approximate location of RED NUN 36 EBB and the approximate location of the end of this reach respectively.

- **Reach G:**
 - Shoaling exists channel wide intermittently throughout this reach.
 - Shoaling exists along the toe of the Right Outside Quarter extending into the Middle Half and along the toe of the Left Outside Quarter extending into the Middle Half of this reach.
 - The controlling depth of -1.2 feet below MLLW exists in the Right Outside Quarter approximately 115 feet landward of RED W/LIGHT 10 FLOOD.

- **Reach H:**
 - Shoaling exists channel wide intermittently throughout this reach.
 - Shoaling exists along the toe of the Right Outside Quarter extending into the Middle Half and along the toe of the Left Outside Quarter extending into the Middle Half of this reach.
 - The controlling depth of -0.3 feet below MLLW exists in the Left Outside Quarter approximately 1,210 feet seaward of GREEN CAN W/LIGHT 13 EBB.

- **Reach I:**
 - Shoaling exists channel wide intermittently throughout this reach.
 - Shoaling exists along the toe of the Right Outside Quarter extending into the Middle Half and along the toe of the Left Outside Quarter extending into the Middle Half of this reach.
 - The controlling depth of -0.9 feet below MLLW exists in the Left Outside Quarter approximately 130 feet seaward from the end of this reach.