

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

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DATE 18 August 2023

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 (nmiles)	DEPTH (feet)			
Reach A: Begins at the intersection of the Patchogue River and the Great South Bay Channel and ends approximately 100 feet seaward of GREEN 1 W/LIGHT FLOOD.	File #5307/AL/N4 Sheets 2-9 24,25 & 31 May; 1,20,26 & 27 June; 6,10,11,12, & 13 July 2023	100	3.46	6	7.4	7.1	7.0
Reach B: Begins approximately 100 feet seaward of GREEN 1 W/LIGHT FLOOD and ends approximately 190 feet landward of GREEN 11 W/LIGHT FLOOD.	File #5307/AL/N4 Sheets 9-17 24,25 & 31 May; 1,20,26 & 27 June; 6,10,11,12, & 13 July 2023	100	3.67	6	4.7	2.5	2.9
Reach C: Begins approximately 190 feet landward of GREEN 11 W/LIGHT FLOOD and ends approximately 145 feet seaward of GREEN 9 W/LIGHT FLOOD.	File #5307/AL/N4 Sheets 17-24 24,25 & 31 May; 1,20,26 & 27 June; 6,10,11,12, & 13 July 2023	100	3.03	6	4.4	2.4	0.9
Reach D: Begins approximately 145 feet seaward of GREEN 9 W/LIGHT FLOOD and ends approximately 1080 feet seaward of GREEN 23 W/LIGHT FLOOD.	File #5307/AL/N4 Sheets 24-32 24,25 & 31 May; 1,20,26 & 27 June; 6,10,11,12, & 13 July 2023	100-253	3.46	6	3.6	3.2	1.8
Reach E: Begins approximately 1080 feet seaward of GREEN 23 W/LIGHT FLOOD and ends approximately 525 feet seaward of RED 31 W/LIGHT FLOOD.	File #5307/AL/N4 Sheets 32-38 24,25 & 31 May; 1,20,26 & 27 June; 6,10,11,12, & 13 July 2023	100	2.86	6	4.3	2.8	0.3
Reach F: Begins approximately 525 feet seaward of RED 31 W/LIGHT FLOOD and ends at JESSUP LANE BRIDGE.	File #5307/AL/N4 Sheets 38-43 24,25 & 31 May; 1,20,26 & 27 June; 6,10,11,12, & 13 July 2023	100-195	2.43	6	3.4	4.2	4.8

Reach G: Begins at JESSUP LANE BRIDGE and ends approximately 650 feet seaward of GREEN CAN #1 FLOOD.	File #5307/AL/N4 Sheets 43-50 24,25 & 31 May; 1,20,26 & 27 June; 6,10,11,12, & 13 July 2023	100-200	3.23	6	3.0	2.6	1.5
Reach H: Begins approximately 650 feet seaward of GREEN CAN #1 FLOOD and ends at PONQUOQUE BRIDGE.	File #5307/AL/N4 Sheets 50-59 24,25 & 31 May; 1,20,26 & 27 June; 6,10,11,12, & 13 July 2023	100	4.26	6	+0.6	+0.5	+0.4
Reach I: Begins at PONQUOQUE BRIDGE and ends approximately 1,665 feet landward of RED 34 W/LIGHT EEB.	File #5307/AL/N4 Sheets 59-66 24,25 & 31 May; 1,20,26 & 27 June; 6,10,11,12, & 13 July 2023	100	3.05	6	0.3	3.9	3.6

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 -7.0 MLLW exists in the Right Outside Quarter approximately 2,380 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 -2.5 feet MLLW exists in small area within the Middle Half approximately 3,680 feet landward 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 across the entire width of this reach approximately 4,850 feet from the landward end of this reach.
 - The controlling depth of -0.9 feet MLLW exists in the Right Outside Quarter approximately 4,865 feet seaward of the landward end of this reach.
- **Reach D:**
 - Shoaling exists channel wide intermittently throughout this reach.
 - A large area of shoaling across the entire width of the reach starts approximately 4,400 feet landward of the beginning of the reach and extends approximately 1,000 feet and also starting approximately 4.600 feet seaward of the landward end of the reach and extends for 1,650 feet.
 - The controlling depth of -1.8 feet MLLW exists in the Right Outside Quarter approximately 1435 feet seaward of the landward end of the 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 MLLW exists in the Right Outside Quarter approximately 4005 feet landward of seaward end of the reach.

- **Reach F:**
 - Shoaling exists channel wide several areas 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 -3.4 feet MLLW is located in the Left Outside Quarter approximately 80 feet seaward of the landward end of the reach.

- **Reach G:**
 - Shoaling exists channel wide several areas 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.
 - Spot shoaling exist in the Middle Half of this reach.
The controlling depth of -1.5 feet MLLW exists in the Right Outside Quarter approximately 155 feet landward of RED W/LIGHT #10 EBB.

- **Reach H:**
 - Shoaling exists channel wide in several areas 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 MLLW exists in the Right Outside Quarter approximately 1,305 feet seaward of GREEN 13 W/LIGHT 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 -0.3 feet below MLLW exists in the Left Outside Quarter approximately 120 feet seaward from the end of this reach.

