

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

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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 115 feet seaward of GREEN 1 W/LIGHT FLOOD.	File #4860 Sheets 6-12; 15 Oct – 23 Nov 2019	100	3.46	6	7.1	7.0	6.8
Reach B: Begins approximately 115 feet seaward of GREEN 1 W/LIGHT FLOOD and ends approximately 380 feet landward of GREEN 11 W/LIGHT FLOOD.	File #4860 Sheets 12-18; 15 Oct – 23 Nov 2019	100	3.67	6	4.7	5.3	4.6
Reach C: Begins approximately 380 feet seaward of GREEN 11 W/LIGHT FLOOD and ends approximately 100 feet seaward of GREEN 9 W/LIGHT SLACK.	File #4860 Sheets 18-23; 15 Oct – 23 Nov 2019	100	3.03	6	6.1	5.2	4.4
Reach D: Begins approximately 100 feet seaward of GREEN 9 W/LIGHT SLACK and ends approximately 70 feet landward of GREEN 21 EBB.	File #4860 Sheets 23-29; 15 Oct – 23 Nov 2019	100-253	3.46	6	3.9	0.5	+0.4
Reach E: Begins approximately 70 feet landward of GREEN 21 EBB and ends approximately 480 feet seaward of RED 31 W/LIGHT EBB.	File #4860 Sheets 29-34; 15 Oct – 23 Nov 2019	100	2.86	6	1.7	0.9	0.8
Reach F: Begins approximately 480 feet seaward of RED 31 W/LIGHT EBB and ends at JESSUP LANE BRIDGE.	File #4860 Sheets 34-38; 15 Oct – 23 Nov 2019	100-195	2.43	6	4.0	4.9	5.1

Reach G: Begins at JESSUP LANE BRIDGE and ends approximately 700 feet seaward of FIXED RED 2 W/LIGHT.	File #4860 Sheets 38-43; 15 Oct – 23 Nov 2019	100-200	3.23	6	3.7	2.8	1.1
Reach H: Begins approximately 700 feet seaward of FIXED RED 2 W/LIGHT and ends at PONQUOQUE BRIDGE.	File #4860 Sheets 43-51; 15 Oct – 23 Nov 2019	100	4.26	6	0.2	0.3	0.4
Reach I: Begins at PONQUOQUE BRIDGE and ends approximately 1,720 feet landward of RED 34 W/LIGHT SLACK.	File #4860 Sheets 51-55; 15 Oct – 23 Nov 2019	100	3.05	6	0.7	4.5	4.3

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 -6.8 MLLW exists in the Right Outside Quarter approximately 2,425 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 -4.6 feet below MLLW exists in the Right Outside Quarter approximately 2,260 feet landward of RED 4 EBB.
- **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 -54.4 feet below MLLW exists in the Right Outside Quarter approximately 1,015 feet seaward of GREEN 7 SLACK.
- **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 +0.4 feet above MLLW exists in the Right Outside Quarter approximately 425 feet seaward of RED 20 SLACK.
- **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 -0.8 feet below MLLW exists in the Right Outside Quarter approximately 125 feet seaward of RED 26 SLACK HIGH.

- **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 -4.0 feet below MLLW is located approximately 1,550 feet seaward of GREEN 37 W/LIGHT FLOOD.

- **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.
 - Spot shoaling exist in the Middle Half of this reach.
 - The controlling depth of -1.1 feet below MLLW exists in the Right Outside Quarter approximately 105 feet landward of RED 10 W/LIGHT FLOOD.

- **Reach H:**
 - 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 -0.2 feet below MLLW exists in the Left Outside Quarter approximately 1,330 feet seaward of GREEN 13 W/LIGHT FLOOD.

- **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 -0.7 feet below MLLW exists in the Left Outside Quarter approximately 110 feet seaward from the end of this reach.