

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

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DATE 15 December 2016

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 3,815 feet seaward of RED NUN #2 EBB	File 233 Sheets 6-12 of 55; 24-30 June & 12 July 2016	100	3.46	6	7.1	7.1	6.9
Reach B: Begins approximately 3,815 feet seaward of RED NUN #2 EBB and ends approximately 160 feet landward of GREEN CAN #11 W/LIGHT FLOOD.	File 233 Sheets 12-18 of 55; 24-30 June & 12 July 2016	100	3.67	6	4.5	5.4	4.6
Reach C: Begins approximately 160 feet landward of GREEN CAN #11 W/LIGHT FLOOD and ends approximately 115 feet seaward of GREEN CAN #9 W/LIGHT FLOOD.	File 233 Sheets 18-23 of 55; 24-30 June & 12 July 2016	100	3.03	6	5.9	6.0	5.2
Reach D: Begins approximately 115 feet seaward of GREEN CAN #9 W/LIGHT FLOOD and ends approximately 280 feet landward of GREEN CAN #21 EBB.	File 233 Sheets 23-29 of 55; 24-30 June & 12 July 2016	100-253	3.46	6	3.1	1.4	0.9
Reach E: Begins approximately 280 feet landward of GREEN CAN #21 EBB and ends approximately 215 feet seaward of GREEN CAN #31 W/LIGHT EBB.	File 233 Sheets 29-34 of 55; 24-30 June & 12 July 2016	100	2.86	6	0.5	1.1	1.4
Reach F: Begins approximately 215 feet seaward of GREEN CAN #31 W/LIGHT EBB and ends approximately at JESSUP LANE BRIDGE.	File 233 Sheets 34-38 of 55; 24-30 June & 12 July 2016	100-195	2.17	6	4.7	5.2	5.8

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**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)
Reach G: Begins approximately at JESSUP LANE BRIDGE and ends approximately 520 feet seaward of DAY MARKER RED #2.	File 233 Sheets 38-43 of 55; 24-30 June & 12 July 2016	100-200	3.23	6	3.8	3.5	1.5
Reach H: Begins approximately 520 feet seaward of DAY MARKER RED #2 and ends approximately at PONQUOGUE BRIDGE.	File 233 Sheets 43-51 of 55; 24-30 June & 12 July 2016	100-177	4.26	6	0.4	0.4	0.8
Reach I: Begins approximately at PONQUOGUE BRIDGE and ends approximately 2,390 feet landward of RED NUN #32 FLOOD.	File 233 Sheets 51-55 of 55; 24-30 June & 12 July 2016	100-223	3.05	6	2.9	4.8	4.3

REMARKS:

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

LONG ISLAND INTRACOASTAL WATERWAY

- **Reach A:**
 - No shoaling exists in this reach.
- **Reach B:**
 - Shoaling exists along the channel's toe in the RIGHT OUTSIDE QUARTER (ROQ), partially extending into the MIDDLE HALF (MH), beginning 1,940 feet landward of RED NUN #4 EBB and continues landward for 655 feet, having a maximum width of 45 feet.
 - Shoaling exists along the channel's toe in the ROQ, partially extending into the MH, beginning 2,975 feet landward of RED NUN #4 EBB and continues landward for 700 feet, having a maximum width of 40 feet.
 - Shoaling exists along the channel's toe in the LEFT OUTSIDE QUARTER (LOQ), beginning 690 feet seaward of RED NUN #8 FLOOD and ending at 300 feet seaward of the same buoy, having a maximum width of 20 feet.
 - Shoaling exists along the channel toe in the ROQ, beginning 690 feet landward of RED NUN #8 FLOOD and ending at 1,350 feet landward of the same buoy, having a maximum width of 15 feet.
 - Shoaling exists in the LOQ and MH, partially extending into the ROQ beginning 200 feet landward of GREEN CAN #9 FLOOD and ending at 900 feet landward of the same buoy, having a maximum width of 80 feet.

- Shoaling exists along the channel's toe in the LOQ, partially extending into the MH, beginning 720 feet seaward of GREEN CAN #11 W/LIGHT FLOOD and ending at 515 feet landward of the same buoy, having a maximum width of 40 feet.
- **Reach C:**
 - Shoaling exists in the ROQ, beginning 440 feet seaward of RED NUN #4 EBB and ending at 75 feet seaward of the same buoy, having a maximum width of 10 feet.
 - Shoaling exists in the ROQ, beginning 900 feet landward of RED NUN #4 EBB and ending at 1,540 feet landward of the same buoy, having a maximum width of 25 feet.
 - Shoaling exists in the LOQ, beginning 770 feet seaward of GREEN CAN #5 W/LIGHT FLOOD and ending at 700 feet seaward of the same buoy, having a maximum width of 10 feet.
 - Spot shoaling exists in the ROQ, beginning 1,910 feet seaward of RED NUN #6 W/LIGHT and continues 35 feet landward, having a maximum width of 25 feet.
 - Shoaling exists in the ROQ, beginning 1,020 feet seaward of GREEN CAN #7 FLOOD and continues 365 feet landward, having a maximum width of 10 feet.
- **Reach D:**
 - Shoaling exists across entire channel, beginning 1,090 feet landward of RED NUN #10 FLOOD and continues 2,140 feet landward of the same buoy, tapering into the ROQ for 180 feet landward.
 - Shoaling exists across entire channel and thence tapering into the ROQ, beginning 590 feet seaward of GREEN CAN #11 FLOOD and ending at 890 feet landward of the same buoy. Shoaling contains the LOQ controlling depth of 3.1 feet.
 - Shoaling exists across entire channel and thence tapering into the ROQ and LOQ, beginning 1,650 feet seaward of GREEN CAN #17 EBB and ending at 50 feet seaward of the same buoy.
 - Shoaling exists across the width of the channel, beginning 240 feet landward of RED NUN #18 W/LIGHT EBB and ending at 520 feet landward of RED NUN #20 EBB. Shoaling contains the MH and ROQ controlling depths of 1.4 and 0.9 feet respectively.
 - Shoaling exists in the LOQ, partially extending into the MH, beginning 260 feet seaward of GREEN CAN #21 EBB and ending at 140 feet landward of the same buoy, having a maximum width of 60 feet.
 - Shoaling exists in the LOQ, partially extending into the MH, beginning 240 feet landward of GREEN CAN #21 EBB and ending at 750 feet landward of the same buoy (in REACH E).
- **Reach E:**
 - Shoaling exists across the width of the channel, beginning 470 feet seaward of RED NUN #26 W/LIGHT FLOOD and continues landward for 1,100 feet. Beginning at 75 feet seaward of GREEN #27 FLOOD, the shoaling tapers to LOQ and MH and continues landward for 1,430 feet. Afterwards, the shoaling resumes across the width of the channel ending at 1,520 feet landward of GREEN CAN #29 W/LIGHT EBB. Shoaling contains the LOQ controlling depth of 0.5 feet, MH controlling depth of 1.1 feet, and ROQ controlling depth of 1.4 feet.
- **Reach F:**
 - Shoaling exists in the ROQ, beginning 145 seaward of RED NUN #34 EBB and ending at 420 landward the same buoy, having a maximum width of 20 feet.
 - Shoaling exists in the LOQ and MH, beginning 220 feet seaward of GREEN CAN #35 EBB and ending at 210 seaward of the same buoy, having a maximum width of 60 feet.
 - Intermittent shoaling exists along the channel's toe in the LOQ beginning 160 feet seaward of GREEN CAN #35 EBB and continues to the end of the reach.
 - Spot shoaling exists across the width of the channel, beginning 310 feet seaward of JESSUP LANE BRIDGE and ending at 30 feet seaward of JESSUP LANE BRIDGE.
- **Reach G:**
 - Shoaling exists in the LOQ, beginning 120 feet landward of JESSUP LANE BRIDGE and ending at 195 feet landward of JESSUP LANE BRIDGE, having a maximum width of 12 feet.
 - Shoaling exists in the LOQ and MH, beginning 690 feet landward of JESSUP LANE BRIDGE and ending at 795 feet landward of JESSUP LANE BRIDGE, having a maximum width of 68 feet.

- Shoaling exists in the ROQ, beginning 890 feet landward of JESSUP LANE BRIDGE and continues landward for 120 feet, having the maximum width of 15 feet.
 - Shoaling exists along the channel's toe in the ROQ, beginning 85 feet seaward of DAY MARKER GREEN #3 and continues landward for 50 feet, having a maximum width of 10 feet.
 - Shoaling exists along the channel's toe in the LOQ, beginning 70 feet seaward of DAY MARKER GREEN #3 and continues landward for 20 feet, having a maximum width of 10 feet.
 - Shoaling exists along the channel's toe in the LOQ, beginning 55 feet seaward of the DAY MARKER GREEN #5 and continues landward for 10 feet, having a maximum width of 10 feet.
 - Shoaling exists in the ROQ and partially extending into the MH, beginning 510 feet seaward of BEACH LANE BRIDGE and ending at 320 feet seaward of BEACH LANE BRIDGE, having a maximum width of 45 feet.
 - Shoaling exists in the ROQ and partially extending into the MH, beginning 895 feet landward of BEACH LANE BRIDGE and ending at 1,095 feet landward of BEACH LANE BRIDGE, having a maximum width of 35 feet.
 - Intermittent shoaling exists along the channel's toe in the ROQ, partially extending into the MH, beginning 840 feet seaward of DAY MARKER GREEN #9 and ending at 340 feet landward of RED #10 W/LIGHT FLOOD, having a maximum width of 60 feet. Shoaling contains the ROQ controlling depth of the 1.5 feet.
 - Shoaling exists in the LOQ, beginning 470 feet seaward of DAY MARKER GREEN #9 and ending at 880 feet landward of the same buoy, having a maximum width of 35 feet.
 - Shoaling exists in the LOQ and MH, partially extending into the ROQ, beginning 335 feet landward of RED #10 W/LIGHT FLOOD and ending at 885 feet landward of the same buoy, having a maximum width of 90 feet.
 - Shoaling exists in the ROQ, beginning 830 feet landward of RED #10 W/LIGHT FLOOD and continues landward for 200 feet, having a maximum width of 25 feet.
 - Intermittent shoaling exists in the LOQ, beginning 985 feet landward of RED #10 W/LIGHT FLOOD and continues landward for 575 feet, having a maximum width of 15 feet.
 - Shoaling exists across the entire channel, at the entrance of Ogdens Pond, beginning 3,790 feet landward of RED #10 W/LIGHT FLOOD and continues landward for 270 feet. Shoaling contains the MH controlling depth of 3.5 feet and LOQ controlling depth of 3.8 feet.
 - Spot shoal exists in the LOQ and MH, beginning 2,270 feet seaward of POLE RED #17 and ending at 2,280 feet seaward of the same buoy, having a maximum width of 45 feet.
 - Shoaling exists in the LOQ and MH, beginning 200 feet seaward of POLE RED #17 and ending at 245 feet landward of the same buoy, having a maximum width of 80 feet.
 - Shoaling exists in the LOQ, beginning 660 feet seaward of DAY MARKER RED #2 and ending at 150 feet seaward of the same buoy, having a maximum width of 25 feet (in REACH H).
- **Reach H:**
 - Shoaling exists in the ROQ, beginning 480 feet seaward of DAY MARKER RED #2 and ending at 270 feet landward of the same buoy, having a maximum width of 24 feet.
 - Shoaling existing along the channel's toe in the LOQ, beginning 1,150 feet seaward of GREEN CAN #3 EBB and continues landward for 1,280 feet, having a maximum width of 15 feet.
 - Shoaling exists in the ROQ and MH, extending intermittently into the LOQ, beginning 440 feet landward of GREEN CAN #3 EBB and ending at 540 feet landward of RED NUN #4 W/LIGHT EBB. Thence, widening across the majority of all quarters beginning 540 feet landward of RED NUN #4 W/LIGHT EBB and ending 1,535 feet landward of RED NUN #4 W/LIGHT EBB.
 - Shoaling exists across the entire channel, beginning 365 feet seaward of RED #6 W/LIGHT EBB and ending at 770 feet landward of RED NUN #8 EBB.
 - Shoaling exists across the entire channel, beginning 2,470 feet landward of GREEN #9 W/LIGHT EBB and ending at 3,850 feet landward of the same buoy.
 - Shoaling exists across the entire channel, beginning 3,020 feet seaward of GREEN CAN #13 W/LIGHT FLOOD and ending at 890 feet seaward of GREEN CAN #13 W/LIGHT FLOOD. Shoaling contains the LOQ controlling depth of 0.4 feet, MH controlling depth of 0.4 feet, and ROQ controlling depth of 0.8 feet.

- **Reach I:**

- Shoaling exists across the entire channel, beginning at RED NUN #22 EBB and ending at 250 feet landward of the same buoy.
- Shoaling exists in the LOQ, beginning 830 feet seaward of GREEN CAN #23 EBB and ending at 570 feet seaward of the same buoy, having a maximum width of 15 feet.
- Shoaling exists in the ROQ, beginning 195 feet seaward of RED NUN #24 EBB and ending at 270 feet landward of the same buoy, having the maximum width of 14 feet. Shoaling contains the ROQ controlling depth of the 4.3 feet.
- Shoaling exists in the LOQ and partially extending into the MH, beginning the location of GREEN CAN #25 W/LIGHT EBB and ending at 250 landward of the same buoy, having the maximum width of 30 feet.
- Shoaling exists in the LOQ and MH, beginning 45 feet seaward of GREEN CAN #31 FLOOD and ending at 280 feet landward of the same buoy, having a maximum width of 50 feet. Shoaling contains the MH controlling depth of 4.8 feet and LOQ controlling depth of 2.9 feet.
- Shoaling exists across the entire channel, beginning 390 feet landward of RED NUN #32 FLOOD and ending at 820 feet the same buoy.
- Shoaling exists in the LOQ, beginning 705 feet seaward of the channel terminus and ending at 90 feet seaward of the channel terminus.