

**REPORT OF CHANNEL CONDITIONS  
(FOR CHANNELS 400 FEET WIDE OR GREATER)**

DATE: 23 February 2024

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:**

New York Harbor, Channel Along NJ Pierhead Line

**MINIMUM DEPTHS IN EACH ¼ WIDTH OF  
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (n miles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<b>Channel Along NJ Pierhead Line – Reach A1 (rectangular widening):</b> From the approximate location RED #6 W/LIGHT FLOOD to approximate location RED #8 EBB.	File 5402/D/N3/N4 Pg. 2 of 5; 17,22,25 & 30 JAN and 7-9,14 & 15 FEB 2024	300	0.44	20		18.4		
<b>Channel Along NJ Pierhead Line – Reach A:</b> From the approximate location of RED #6 W/LIGHT EBB to approximately 575 feet landward of RED #14 EBB.	File 5402/D/N3/N4 Pg. 2 of 5; 17,22,25 & 30 JAN and 7-9,14 & 15 FEB 2024	500-2,060	0.60	20	12.7	20.7	21.6	22.0
<b>Channel Along NJ Pierhead Line – Reach B:</b> From approximately 575 feet landward of RED #14 EBB to approximately 460 feet landward of NUN #14 FLOOD.	File 5402/D/N3/N4 Pg. 2 & 3 of 5; 17,22,25 & 30 JAN and 7-9,14 & 15 FEB 2024	500	0.58	20	4.8	17.8	25.7	20.8
<b>Channel Along NJ Pierhead Line – Reach C:</b> From approximately 460 feet landward of NUN #14 FLOOD to the approximate location of RED #2 W/BELL FLOOD.	File 5402/D/N3/N4 Pg. 3 & 4 of 5; 17,22,25 & 30 JAN and 7-9,14 & 15 FEB 2024	500 – 1,260	1.09	20	7.3	7.1	6.8	6.4
<b>Channel Along NJ Pierhead Line – Reach C1 (triangular shape widening):</b> From approximate location of RED #18 EBB to from approximate location of GREEN # 3 EBB.	File 5402/D/N3/N4 Pg. 3 & 4 of 5; 17,22,25 & 30 JAN and 7-9,14 & 15 FEB 2024	Triangular Shape	0.60	20		6.2		
<b>Liberty Island Anchorage – Reach A (trapezoidal shape widening):</b> From approximately 550 feet landward of GREEN # 3 EBB to approximately 6,700 feet landward of the RED #2 FLOOD.	File 5402/D/N3/N4 Pg. 4 & 5 of 5; 17,22,25 & 30 JAN and 7-9 ,14 & 15 FEB 2024	720	1.43	20		18.2		
<b>Liberty Island Anchorage – Reach A1 (rectangular shaped widening):</b> From approximately location of RED NUN #4 FLOOD to approximately 390 feet landward of GREEN CAN #3 FLOOD.	File 5402/D/N3/N4 Pg. 4 of 5; 17,22,25 & 30 JAN and 7-9 ,14 & 15 FEB 2024	540	0.54	20		7.6		
<b>Liberty Island Anchorage – Reach A2 (irregular shape widening):</b> From approximately 3,160 feet landward of RED #2 FLOOD to approximately 7,185 feet landward of same.	File 5402/D/N3/N4 Pg. 5 of 5; 17,22,25 & 30 JAN and 7-9 ,14 & 15 FEB 2024	Irregular Shape	0.66	20		3.6		

**REMARKS:**

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

**CHANNEL ALONG NEW JERSEY PIERHEAD LINE:**

- **Reach A1 (rectangular widening):** Shoaling exists within the reach for 800 feet centered by RED # 4 FLOOD. The controlling depth of -18.4 feet MLLW exists approximately 260 feet landward of RED #4 FLOOD.
- **Reach A:** Shoaling exists in the Left Outside Quarter starting just landward of GREEN #1 W/ LIGHT EBB to just landward of CAN #5 W/LIGHT EBB. The controlling depth of -12.7 feet MLLW exists in the Left Inside Quarter approximately 805 feet seaward of GREEN #7 EBB.
- **Reach B:** Shoaling exists along the Left Outside Quarter and into the Left Inside Quarter beginning approximately in the vicinity of GREEN #13 W/ LIGHT FLOOD and continues to approximately the end of the reach . The controlling depth of -4.8 feet MLLW exists in the Left Outside Quarter, approximately 550 feet landward of GREEN #13 W/LIGHT FLOOD.
- **Reach C:** Shoaling exists channel wide throughout the majority of this reach. The controlling depth of -6.4 feet MLLW exists in the Right Outside Quarter approximately 960 feet landward of GREEN #5 W/LIGHT EBB.
- **Reach C1 (triangular shape widening):** Shoaling exists across the entire width of the anchorage. The controlling depth of -6.2 feet MLLW exists approximately 1,085 feet landward of GREEN #5 W/LIGHT EBB.

**LIBERTY ISLAND ANCHORAGE:**

- **Reach A (trapezoidal shape widening):** Minor edge shoaling exists along the toe of this reach the border of Reach A1. The controlling depth of -18.2 feet MLLW exists approximately 1,385 feet landward of RED #2 FLOOD.
- **Reach A1 (rectangular shaped widening):** Shoaling exists channel wide across the majority of this reach. The controlling depth of -7.4 feet MLLW exists approximately 190 feet seaward of GREEN CAN #3 FLOOD.
- **Reach A2 (irregular shape widening):** Shoaling exists along the western portion of the anchorage near the island. The controlling depth of -3.6 feet MLLW exists approximately 4,960 feet landward of RED #2 FLOOD.