

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

DATE: 3 December 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)	
Channel Along NJ Pierhead Line – Reach A1 (rectangular widening): From the approximate location RED #2 W/LIGHT EBB to approximate location NUN #8 EBB.	File 5502/D/AL/N2 Pg. 2 of 5 4-7, 19-21 & 25 NOV 2024	300	0.44	20	18.4			
Channel Along NJ Pierhead Line – Reach A: From the approximate location of RED #6 W/LIGHT EBB to approximately 400 feet landward of NUN #8 EBB.	File 5502/D/AL/N2 Pg. 2 of 5 4-7, 19-21 & 25 NOV 2024	500-2,060	0.60	20	12.8	20.6	21.9	21.9
Channel Along NJ Pierhead Line – Reach B: From approximately 400 feet landward of NUN #8 EBB to approximately 490 feet landward of NUN #14 EBB.	File 5502/D/AL/N2 Pgs. 2 & 3 of 5 4-7, 19-21 & 25 NOV 2024	500	0.58	20	6.4	18.3	25.6	20.9
Channel Along NJ Pierhead Line – Reach C: From approximately 490 feet landward of NUN #14 EBB to the approximate location of GREEN #1 W/LIGHT FLOOD.	File 5502/D/AL/N2 Pgs. 3 & 4 of 5 4-7, 19-21 & 25 NOV 2024	500 – 1,260	1.09	20	7.4	7.1	6.9	7.0
Channel Along NJ Pierhead Line – Reach C1 (triangular shape widening): From approximate location of NUN #18 EBB to from approximate location of CAN # 3 EBB.	File 5502/D/AL/N2 Pgs. 3 & 4 of 5 4-7, 19-21 & 25 NOV 2024	Triangular Shape	0.60	20	6.8			
Liberty Island Anchorage – Reach A (trapezoidal shape widening): From approximately 485 feet landward of CAN # 3 EBB and extends approximately 9,565 feet landward.	File 5502/D/AL/N2 Pgs. 4 & 5 of 5 4-7, 19-21 & 25 NOV 2024	720	1.43	20	17.1			
Liberty Island Anchorage – Reach A1 (rectangular shaped widening): From approximately location of NUN #4 FLOOD to approximately 240 feet landward of NUN #2 EBB.	File 5502/D/AL/N2 Pg. 4 of 5 4-7, 19-21 & 25 NOV 2024	540	0.54	20	7.6			
Liberty Island Anchorage – Reach A2 (irregular shape widening): From approximately 3,150 feet landward of NUN #2 EBB to approximately 7,185 feet landward of same.	File 5502/D/AL/N2 Pg. 5 of 5 4-7, 19-21 & 25 NOV 2024	Irregular Shape	0.66	20	3.2			

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 in the vicinity of NUN # 4 EBB. The controlling depth of -18.4 feet MLLW exists approximately 215 feet landward of NUN # 4 EBB.
- **Reach A:** Shoaling exists in the Left Outside Quarter starting 290 feet landward of GREEN #1 W/ LIGHT EBB to just landward of GREEN #5 W/LIGHT EBB. The controlling depth of -12.8 feet MLLW exists in the Left Inside Quarter on the toe 205 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 EBB and continues to approximately the end of the reach . The controlling depth of -6.4 feet MLLW exists in the Left Outside Quarter, approximately 145 feet landward of GREEN #13 W/LIGHT EBB.
- **Reach C:** Shoaling exists channel wide throughout the majority of this reach. The controlling depth of -6.9 feet MLLW exists in the Right Outside Quarter approximately 815 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 -6.8feet MLLW exists approximately 1,140 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 along the reach border of Reach A1. The controlling depth of -17.1 feet MLLW exists approximately 1,325 feet landward of NUN #2 EBB.
- **Reach A1 (rectangular shaped widening):** Shoaling exists channel wide across the majority of this reach. The controlling depth of -7.6 feet MLLW exists approximately 400 feet seaward of NUN #2 EBB.
- **Reach A2 (irregular shape widening):** Shoaling exists along the western portion of the anchorage near the island. The controlling depth of -3.2 feet MLLW exists approximately 4,820 feet landward of NUN #2 EBB.