

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

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DATE: 19 August 2020

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 of RED #2 W/LIGHT EBB to approximately 15 feet landward of NUN #8 EBB.	File 4965 Pg. 1 of 4; 19 June through 29 July 2020	300	0.44	20	18.7			
Channel Along NJ Pierhead Line – Reach A: From the approximately 105 feet landward of RED #6 W/LIGHT EBB to approximately 415 feet landward of NUN #8 EBB.	File 4965 Pg. 1 of 4; 19 June through 29 July 2020	500-2,060	0.60	20	13.0	21.2	21.2	21.8
Channel Along NJ Pierhead Line – Reach B: From approximately 415 feet landward of NUN #8 EBB to approximately 535 feet landward of NUN #14 SLACK.	File 4965 Pg. 1-2 of 4; 19 June through 29 July 2020	500	0.58	20	5.1	18.8	25.3	20.6
Channel Along NJ Pierhead Line – Reach C: From approximately 535 feet landward of NUN #14 SLACK to the approximate location of GREEN #1 W/LIGHT FLOOD towards the junction with Anchorage Channel.	File 4965 Pg. 2 of 4; 19 June through 29 July 2020	500 – 1,260	1.09	20	7.4	7.3	7.2	7.2
Channel Along NJ Pierhead Line – Reach C1 (triangular shape widening): From approximately 35 feet landwards of NUN #18 SLACK to approximately 115 feet landward of CAN #3 FLOOD.	File 4965 Pg. 2 of 4; 19 June through 29 July 2020	Triangular Shape	0.60	20	7.1			
Liberty Island Anchorage – Reach A (trapezoidal shape widening): From approximately 325 feet landward of NUN #4 FLOOD to approximately 1,245 feet landward of the most landward RESTRICTED ZONE BUOY FLOOD 15 JULY 2020.	File 4965 Pg. 2-4 of 4; 19 June through 29 July 2020	720	1.43	20	17.6			
Liberty Island Anchorage – Reach A1 (rectangular shaped widening): From approximately 15 feet seaward of NUN #4 FLOOD to approximately 200 feet landward of NUN #2 EBB.	File 4965 Pg. 2-3 of 4; 19 June through 29 July 2020	540	0.54	20	7.9			
Liberty Island Anchorage – Reach A2 (irregular shape widening): From approximately 3,105 feet landward of NUN #2 EBB to approximately 1,715 feet landward of the most landward RESTRICTED ZONE BUOY FLOOD 15 JULY 2020.	File 4965 Pg. 4 of 4; 19 June through 29 July 2020	Irregular Shape	0.66	20	3.8			

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 along the channel's toe. The controlling depth of -18.7 feet MLLW exists approximately 40 feet seaward of NUN #4 EBB.
- **Reach A:** Shoaling exists in the Left Outside Quarter along the channel's toe. The controlling depth of -13.0 feet MLLW exists in the Left Outside Quarter approximately 220 feet seaward of GREEN #5 W/LIGHT EBB.

- **Reach B:** Shoaling exists along the Left Outside Quarter and into the Left Inside Quarter. The controlling depth of -5.1 feet MLLW exists in the Left Outside Quarter approximately 535 feet landward of GREEN #13 W/LIGHT FLOOD.
- **Reach C:** Shoaling exists channel wide throughout the majority of this reach. The controlling depth of -7.2 feet MLLW exists in the Right Inside Quarter and the Right Outside Quarter at multiple locations along the first bend of this reach.
- **Reach C1 (triangular shape widening):** Shoaling exists across the entire width of the anchorage across the majority of this anchorage. The controlling depth of -7.1 feet MLLW exists approximately 1,275 feet landward of GREEN #5 W/LIGHT SLACK.

LIBERTY ISLAND ANCHORAGE:

- **Reach A (trapezoidal shape widening):** Minor edge shoaling exists along the western boundary of the reach. The controlling depth of -17.6 feet MLLW exists approximately 1,355 feet seaward of NUN #2 EBB.
- **Reach A1 (rectangular shaped widening):** Shoaling exists channel wide across the majority of this reach. The controlling depth of -7.9 feet MLLW exists approximately 365 feet seaward of NUN #2 EBB.
- **Reach A2 (irregular shape widening):** Shoaling exists along the western portion of the anchorage. The controlling depth of -3.8 feet MLLW exists approximately 555 feet seaward of the most landward RESTRICTED ZONE BUOY W/ LIGHT FLOOD 15 JULY 2020.