

REPORT OF CHANNEL CONDITIONS (FOR CHANNELS 400 FEET WIDE OR GREATER)							PAGE 1 OF 2 PAGES	
							DATE: 25 April 2023	
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 a location approximately 40 feet seaward of RED #2 W/LIGHT EBB to approximately 1,005 feet landward of RED NUN #4 EBB.	File 5257/N3/N4 Pg. 2 of 5; 9, 10, 31 JAN 1,2,21,28 FEB 2023	300	0.44	20	18.5			
Channel Along NJ Pierhead Line – Reach A: From a location approximately 40 feet seaward of RED #2 W/LIGHT EBB to approximately 755 feet landward of GREEN CAN #7 EBB.	5257/N3/N4 Pg. 2 of 5; 9, 10, 31 JAN 1,2,21,28 FEB 2023	500-2,060	0.60	20	12.8	20.0	21.0	22.0
Channel Along NJ Pierhead Line – Reach B: From approximately 755 feet landward of GREEN CAN #7 EBB to approximately 460 feet landward of RED NUN #14 FLOOD.	5257/N3/N4 Pg. 2-3 of 5; 9, 10, 31 JAN 1,2,21,28 FEB 2023	500	0.58	20	5.9	17.8	25.7	20.6
Channel Along NJ Pierhead Line – Reach C: From approximately 460 feet landward of RED NUN #14 FLOOD to a location approximately 40 feet landward (east) of GREEN #1 W/ LIGHT FLOOD.	5257/N3/N4 Pg. 3-4 of 5; 9, 10, 31 JAN 1,2,21,28 FEB 2023	500 – 1,260	1.09	20	7.2	7.0	6.5	6.4
Channel Along NJ Pierhead Line – Reach C1 (triangular shape widening): From approximately 45 feet landward of RED NUN #18 FLOOD to approximately 60 feet landward of GREEN CAN #3 FLOOD.	5257/N3/N4 Pg 3-4 of 5; 9, 10, 31 JAN 1,2,21,28 FEB 2023	Triangular Shape	Irregular	20	6.6			
Liberty Island Anchorage – Reach A (trapezoidal shape widening): From approximately 350 feet landward of RED NUN #4 FLOOD to approximately 5,055 feet landward of the most landward RESTRICTED ZONE BUOY EBB within Reach A.	5257/N3/N4 Pg. 4-5 of 5; 9, 10, 31 JAN 1,2,21,28 FEB 2023	720	1.43	20	16.1			
Liberty Island Anchorage – Reach A1 (rectangular shaped widening): From the approximate location of RED NUN #4 FLOOD to approximately 370 feet landward of GREEN CAN #3 FLOOD.	5257/N3/N4 Pg. 4 of 5; 9, 10, 31 JAN 1,2,21,28 FEB 2023	540	0.54	20	7.4			
Liberty Island Anchorage – Reach A2 (irregular shape widening): From approximately 1,500 feet landward of most landward RESTRICTED ZONE BUOY EBB within the Reach A to approximately 5,535 feet landward of the most landward RESTRICTED ZONE BUOY EBB within Reach A.	5257/N3/N4 Pg. 5 of 5; 9, 10, 31 JAN 1,2,21,28 FEB 2023	Irregular Shape	Irregular	20	5.4			

REMARKS:

- All reported depths are relative to the 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 in the vicinity of NUN # 4 EBB. The controlling depth of -18.5 feet MLLW exists approximately 340 feet landward of RED NUN #4 EBB.
- Reach A:** Shoaling exists in the Left Outside Quarter along the channel's toe beginning approximately 380 feet landward of GREEN #1 W/ LIGHT EBB to just landward of CAN #5/LIGHT EBB. The controlling depth of -12.8 feet MLLW exists in the Left Inside Quarter approximately 160 feet seaward of GREEN #5 W/LIGHT 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 -5.9 feet MLLW exists in the Left Outside Quarter, approximately 720 feet landward of GREEN #13 W/LIGHT EBB.
- **Reach C:** Shoaling exists channel wide throughout much of this reach. The controlling depth of -6.4 feet MLLW exists in the Right Outside Quarter approximately 560 feet landward of RED #6/LIGHT FLOOD before the first bend of this reach.
- **Reach C1 (triangular shape widening):** Shoaling exists across much of the entire width of the anchorage. The controlling depth of -6.6 feet MLLW exists approximately 1,270 feet landward of GREEN #5 W/LIGHT FLOOD.

LIBERTY ISLAND ANCHORAGE:

- **Reach A (trapezoidal shape widening):** Edge shoaling exists along the western boundary of the reach. The controlling depth of -16.1 feet MLLW exists approximately 105 feet seaward of the only Restricted Zone Buoy FLOOD within the reach.
- **Reach A1 (rectangular shaped widening):** Shoaling exists channel wide across much of this reach. The controlling depth of -7.4 feet MLLW exists approximately 215 feet seaward of GREEN CAN #3 FLOOD.
- **Reach A2 (irregular shape widening):** Shoaling exists in the western portion of the anchorage. The controlling depth of -5.4 feet MLLW exists approximately 1,795 feet landward of the start of the reach along the western edge.