

REPORT OF CHANNEL CONDITIONS (FOR CHANNELS 400 FEET WIDE OR GREATER)						PAGE 1 OF 2 PAGES		
						DATE 17 February 2023		
<b>TO:</b> The Record				<b>FROM:</b> U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090				
<b>RIVER/HARBOR NAME AND STATE:</b> Newark Bay, Hackensack & Passaic Rivers, NJ; Newark Bay – Main Channel						<b>MINIMUM DEPTHS IN EACH ¼ WIDTH OF CHANNEL ENTERING FROM SEAWARD</b>		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<b>NEWARK BAY MAIN CHANNEL of Newark Bay, Hackensack &amp; Passaic Rivers Navigation Channels Project</b>								
<b>Reach A – Main Channel South:</b> Begins at the approximate location of RED #2 W/ LIGHT EBB and ends at the approximate location of RED #10 W/ LIGHT FLOOD.	File #5208/N1/N 3, Pgs 2 - 6 of 12; 2, 8 - 10, 12, 17, 18, 22 - 25 AUG 2022, 1, 6 SEP 2022	1,000 – 2,360	1.28	50	48.9	50.1	49.9	42.1
<b>Reach B – Main Channel Middle (South):</b> Begins at the approximate location of RED #10 W/ LIGHT FLOOD and ends at a point approximately 440 feet landward of CAN #15A FLOOD.	File #5208/N1/N 3, Pgs 6 – 8 of 12; 2, 8 - 10, 12, 17, 18, 22 - 25 AUG 2022, 1, 6 SEP 2022	1,655 - 800	0.87	50	39.6	41.0	42.8	39.4
<b>Reach B1 - Main Channel Middle (North):</b> Begins at a point approximately 440 feet landward of CAN #15A FLOOD and ends at the approximate location of CAN #19A FLOOD.	File #5208/N1/N 3, Pgs 8 & 9 of 12; 2, 8 - 10, 12, 17, 18, 22 - 25 AUG 2022, 1, 6 SEP 2022	565-800	0.54	40	38.5	39.4	37.8	34.1
<b>Reach C - Main Channel North:</b> From the approximate location of CAN #19A FLOOD and ends at the approximate location of NUN #2 EBB.	File #5208/N1/N 3, Pgs 9 – 12 of 12; 2, 8 - 10, 12, 17, 18, 22 - 25 AUG 2022, 1, 6 SEP 2022	500-1,030	1.37	35	17.4	21.2	18.2	5.2
<b>REMARKS:</b> <ul style="list-style-type: none"> <li>All reported depths are relative to Mean Lower Low Water (MLLW) datum.</li> <li>Channel reach lengths are in nautical miles.</li> </ul>								
<b>NEWARK BAY – MAIN CHANNEL</b> <ul style="list-style-type: none"> <li><b>Reach A:</b> Much of the shoaling exists in the Right Outside Quarter of the first half of this reach and also at the end of this reach. Sporadic shoaling exists in the Left Outside Quarter. The controlling depth of -42.1 feet MLLW is located in the Right Outside Quarter at the approximate location of RED #10 W/LIGHT FLOOD.</li> <li><b>Reach B:</b> Shoaling exists in the Right Outside Quarter throughout the length of this reach. Shoaling exists in the Left Outside Quarter in the beginning of this reach. Shoaling exists across the full channel width at the end of this reach. The controlling depth of -39.4 feet MLLW is located in the Right Outside Quarter approximately 550 feet landward of RED #14 W/LIGHT EBB.</li> </ul>								

- **Reach B1:** Shoaling exists in the Right Outside Quarter, encroaching into the Right Inside Quarter, for much of this reach. Shoaling exists in the Left Outside Quarter and Left Inside Quarter at the beginning of this reach. The controlling depth of -34.1 feet MLLW is located in the Right Outside Quarter at approximately the end of this reach.
- **Reach C:** Much of this reach contains shoaling in the Right Outside Quarter and Left Outside Quarter along the channel's toe until the N.J. TURNPIKE BRIDGE. Thence shoaling exists in the Right Outside Quarter and Right Inside Quarter through the channel's bend. Shoaling also exists in the Left Outside Quarter and Left Inside Quarter at the end of this reach. The controlling depth of -5.2 feet MLLW is located in the Right Outside Quarter along the channel's toe at the final bend of this reach, approximately 500 feet landward of NUN #24 SLACK.