

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE					PAGE	1	OF	2
TO: The Record					DATE: 17 October 2018			
FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090								
RIVER/HARBOR NAME AND STATE: Mattituck Harbor, New York					MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)	
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
<b>Reach A:</b> Begins in the Long Island Sound at approximately 100 feet seaward of RED NUN #2 EBB, and continues to the end of the 100 foot width project, approximately 420 feet landward of GREEN CAN #3	File 68 Pg 2-3 of 8; 19-24 April 2018	100	0.31	7	10.1	10.8	+1.7	
REPORT OF CHANNEL CONDITIONS <100 FEET WIDE					80% OF CHANNEL WIDTH (feet)			
<b>Reach B:</b> From approximately 420 feet landward of GREEN CAN #3 to approximately 1,275 feet seaward of Old Mill Road.	File 68 Pg 3-4 of 8; 19-24 April 2018	80	0.39	7		6.5		
<b>Reach C:</b> Commence from approximately 1,275 feet seaward of Old Mill Road to the approximate location of Old Mill Road.	File 68 Pg 4-5 of 8; 19-24 April 2018	80	0.21	7		2.0		
<b>Reach D:</b> From the approximate location of Old Mill Road to the Turning Basin, approximately 5,500 feet landward.	File 68 Pg 5-8 of 8; 19-24 April 2018	80	0.91	7		3.6		
Anchorage		AUTHORIZED PROJECT			MINIMUM DEPTH IN CHANNEL (feet)			
		WIDTH (feet)	AREA (acres)	DEPTH (feet)				
<b>Anchorage:</b> Commence from approximately 5,500 feet landward of Old Mill Road and extends approximately 670 feet landward.		File 68 Pg 8 of 8; 19-24 April 2018	460	6.6	7		2.2	
<b>REMARKS:</b>								
<ul style="list-style-type: none"> <li>All channel depths are relative to Mean Lower Low Water (MLLW).</li> <li>Channel reach lengths are in nautical miles.</li> </ul>								
<b>MATTITUCK HARBOR:</b>								
<ul style="list-style-type: none"> <li><b>Reach A:</b> Shoaling, consisting of positive elevation, exists along the channel's toe in the Right Outside Quarter, commencing approximately 190 feet landward of GREEN CAN #3 EBB until the landward end of the reach. The controlling depth of +1.7 feet MLLW exists in the Right Outside Quarter at approximately 270 feet seaward from the landward end of the reach.</li> <li><b>Reach B:</b> Intermittent shoaling exists in the Left and Right 10% at approximately 130 feet landward from the seaward end of the reach and continues approximately 600 feet landward of the same. A shoal exists in the Left 10% and into the Middle 80% at approximately 505 feet seaward from the fourth bend within the reach and continues for approximately 80 feet landward, with a maximum width of approximately 15 feet. A spot shoal exists in the Middle 80% at 400 feet seaward from the fourth bend within the reach. Shoaling exists along the channel's toe in the Right 10%, commencing approximately 760 feet seaward from the landward end of the reach and continues approximately 365 feet landward, with a maximum width of approximately 15 feet. The controlling depth of -6.5 feet MLLW exists in the Middle 80% at approximately 1,085 feet seaward from the landward end of the reach.</li> </ul>								

**MATTITUCK HARBOR:**

- **Reach C:** Intermittent shoaling exists in the Right 10% and Middle 80% at approximately 15 feet landward from the seaward end of the reach and continues approximately 240 feet landward from the first bend within the reach. Shoaling exists in the Left 10% and the Middle 80%, commencing at approximately 230 feet landward from the first bend within the reach and continues until approximately 285 feet seaward from the landward end of the reach. Shoaling exists in the Right 10% and the Middle 80% at approximately 40 feet seaward from the landward end of the reach and continues until the landward end of the reach, with a maximum width of approximately 40 feet. The controlling depth of -2.0 feet MLLW exists in the Middle 80% at the approximate location of the landward end of the reach.
- **Reach D:** Shoaling continues from Reach C at the seaward end of the reach and continues for approximately 15 feet landward. Shoaling exists along the channel's toe in the Left 10%, commencing approximately 205 feet landward from the first bend within the reach and continues for approximately 55 feet landward. A shoal exists in the Middle 80% at approximately 250 feet landward from the first bend within the reach and continues for approximately 55 feet, with a maximum width of approximately 45 feet. Shoaling exists along the channel's toe in the Right 10%, Middle 80%, and the Left 10%, commencing at approximately 345 feet seaward from the third bend within the reach and continues until approximately 455 feet landward of the same. Shoaling exists along the channel's toe in the Right 10% and the Left 10%, commencing approximately 405 feet seaward from the fourth bend within the reach, tapering into the Middle 80% to the entire width of the channel at approximately 65 feet seaward from the same. Shoaling continues across the entire width of the channel until approximately 570 feet seaward from the fifth bend within the reach, where the shoaling tapers back into the Right 10% and Left 10%, until the landward end of the reach. The controlling depth of -3.6 feet MLLW exists in the Middle 80% at the approximate location of the third bend within the reach.
- **Anchorage:** A shoal approximately 255 feet in length with a maximum width of approximately 100 feet exists in the north corner of the Anchorage. A shoal approximately 155 feet in length with a maximum width of approximately 25 feet exists in the southwest corner of the Anchorage. The controlling depth of -2.2 feet MLLW exists at approximately 525 feet seaward from the most seaward MOORING BUOY.