

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE**

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:
East Chester Creek, 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)			
Reach A: From approximately 825 feet seaward of RED #2 W/LIGHT to the Pelham Highway Bridge, approximately 960 feet landward of GREEN CAN #11.	Map 65 Shts. 3-6 & 15-18; 8, 23-24 May 2017, 6-7, 12-14 June 2017	60-200	1.6	8	3.5	4.1	3.6
Reach B: From the Pelham Highway Bridge, approximately 960 feet landward of GREEN CAN #11 to the Hutchinson River Parkway Bridge.	Map 65 Shts 6-8; 8, 23-24 May 2017, 6-7, 12-14 June 2017	60-200	0.5	8	4.0	8.7	5.6
Reach C: From the Hutchinson River Parkway Bridge to the Boston Road Bridge (US-1).	Map 65 Shts 8-12; 8, 23-24 May 2017, 6-7, 12-14 June 2017	70-225	1.3	8	+1.0	2.0	+0.8

REPORT OF CHANNEL CONDITIONS <100 FEET WIDE

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			80% OF CHANNEL WIDTH (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)	
Partial Reach D: Survey coverage exists from the Boston Road Bridge (US-1) to a point approximately 50 feet seaward of the Fulton Avenue Bridge.	Map 65 Shts 12-13; 8, 23-24 May 2017, 6-7, 12-14 June 2017	70-115	0.4	8	1.1

REMARKS:

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.

EAST CHESTER CREEK:

- **Reach A:**
 - Channel wide shoaling exists beginning approximately 825 feet seaward of RED #2 W/LIGHT, continuing to approximately 355 feet seaward of GREEN #7 W/LT, thence, tapering into the Middle Half and Right Outside Quarter over the next approximately 180 feet landward. Sporadic areas where project depth becomes available exist within these parameters.
 - Shoaling exists in the Left Outside Quarter beginning approximately 55 feet landward of GREEN #7 W/LT and continuing to approximately 450 feet seaward of GREEN CAN #11 with a maximum width of approximately 50 feet.
 - Sporadic spot shoaling exists in the Right Outside Quarter beginning approximately 465 feet seaward of the Pelham Highway Bridge and continuing approximately 325 feet landward.
 - The controlling depth of -3.5 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 1,310 feet seaward of GREEN #7 W/LT.
- **Reach B:**
 - Shoaling exists in the Right Outside Quarter beginning approximately 160 feet landward of the Pelham Highway Bridge and extending landward approximately 140 feet.
 - Sporadic shoaling exists in the Left Outside Quarter and Right Outside Quarter beginning approximately 680 feet landward of the railroad bridge and continuing landward to the end of the reach at the Hutchinson River Parkway Bridge.
 - The controlling depth of -4.0 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 335 feet landward of GREEN CAN #3.
- **Reach C:**
 - Shoaling exists in the Left Outside Quarter, Right Outside Quarter, and in some areas, the Middle Half, for the entire length of the reach; from the Hutchinson River Parkway Bridge to the Boston Road Bridge.
 - Project depth is available for much of the width of the Middle Half landward of the Hutchinson River Parkway Bridge to approximately GREEN CAN #7.
 - The controlling depth of +1.0 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 1,580 feet landward of GREEN CAN #7.

EAST CHESTER CREEK:

- **Partial Reach D:**

- Shoaling exists throughout much of this partial reach, but project depth is available, sporadically, in areas of the Middle 80% of the channel.
- The controlling depth of +1.0 feet MLLW exists along the channel toe of the Middle 80% of the channel, approximately 155 feet seaward of the Fulton Avenue Bridge.