

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

PAGE 1 OF 1

DATE 4 November 2015

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 840 feet seaward of RED #2 W/LIGHT to the Pelham Highway Bridge approximately 980 feet landward of GREEN CAN #11.	Map 63 Pgs 3-6 & 15-18; 26, 29-30 June 2015 1, 6-7, 13-14, 16, 20 July 2015	60-200	1.6	10*	4.5	4.1	3.5
Reach B: From the Pelham Highway Bridge approximately 980 feet landward of GREEN CAN #11 to the Hutchinson River Parkway Bridge.	Map 63 Pgs 6-8; 26, 29-30 June 2015 1, 6-7, 13-14, 16, 20 July 2015	60-200	0.5	10*	3.6	8.9	5.8
Reach C: From the Hutchinson River Parkway Bridge to Boston Post Road Bridge.	Map 63 Pgs 8-11; 26, 29-30 June 2015 1, 6-7, 13-14, 16, 20 July 2015	150-200	1.0	10*	+0.3	3.2	0.8

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<100 FEET WIDE**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			80% OF CHANNEL WIDTH (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)	
Reach D: From the Boston Post Road Bridge to approximately 80 feet seaward of the east and west "Y" junction.	Map 63 Pgs 11 & 12; 26, 29-30 June 2015 1, 6-7, 13-14, 16, 20 July 2015	70-230	0.7	10*	+4.9

REMARKS:

- All depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.
- *Never constructed to 10ft. Previously dredged to 8ft only.

EAST CHESTER CREEK:

- **Reach A:** Channel wide shoaling exists starting at approximately 840 feet seaward of RED #2 W/LIGHT to approximately 360 feet seaward of GREEN #7 W/LT. Shoaling exits in the Left Outside Quarter and the Middle Half starting approximately 30 feet seaward of GREEN #7 W/LT and continuing to approximately 180 feet seaward of GREEN CAN #11 with a maximum width of approximately 75 feet. Sporadic shoaling in the Left Outside Quarter, Middle Half and Right Outside Quarter exists from approximately 40 feet landward of GREEN CAN #11 to the Pelham Highway Bridge approximately 980 feet landward of GREEN CAN #11.
- **Reach B:** Shoaling exists in the Right Outside Quarter and Middle Half beginning approximately 90 feet landward of the Pelham Highway Bridge approximately 980 feet landward of GREEN CAN #11 and extending landward approximately 285 feet. Shoaling exists in the Left Outside Quarter, Right Outside Quarter and in some areas extending to the Middle Half, approximately 100 feet seaward of the railroad and extends landward approximately 170 feet. Shoaling exists approximately 180 feet landward of the railroad in the Left Outside Quarter and extends landward approximately 240 feet. Shoaling exists in the Left Outside Quarter and Right Outside Quarter approximately 30 feet seaward of RED NUN #2 and extends approximately 700 feet. Shoaling extends into the Middle Half approximately 230 feet landward of RED NUN #2 and continues approximately 230 feet. Shoaling exists in the Left Outside Quarter approximately 40 feet seaward of GREEN CAN #3 and continues to the Hutchinson River Parkway Bridge. Shoaling exists in the Right Outside Quarter starting approximately 340 seaward of the the Hutchinson River Parkway Bridge and extends to the end of Reach B.
- **Reach C:** Shoaling exists, including areas of positive elevation, along the channel toe in the Left Outside Quarter, Right Outside Quarter and in some areas extending to the Middle Half, for the entire length of Reach C. From the Hutchinson River Parkway Bridge to Boston Post Road Bridge.
- **Reach D:** Shoaling exists for the majority of this reach. Project depth is available in the Middle 80% of the channel for approximately the first 740 feet of the reach. At approximately 740 feet landward from the Boston Post Road Bridge, the shoal extends the entire width of the channel with sporadic areas of project depth for the rest of the Reach.