

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-306)**

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DATE September 24, 2013

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 (Partial): Coverage begins approx. 500 feet landward of Red Nun #6 to the Pelham Highway Bridge, approx. 830 feet landward of Green Can #11.	Map 61 Pg 4 thru 6 of 14; 25-28 July 2013	150-200	1.7	10*	4.7	4.7	4.6
Reach B: Begins at the Pelham Highway Bridge, approx. 830 feet landward of Green Can #11 to the Hutchinson River Parkway Bridge, approx. 580 feet seaward of Red Nun #4.	Map 61 Pg 6 thru 8 of 14; 25-28 July 2013	60-150	0.5	10*	4.5	9.3	7.0
Reach C: Begins at the Hutchinson River Parkway Bridge, approx. 580 feet seaward of Red Nun #4 to Boston Post Road Bridge.	Map 61 Pg 8 thru 11 of 14; 25-28 July 2013	150-200	0.9	10*	+0.5	5.3	0.5

**REPORT OF CHANNEL CONDITIONS
<100 FEET WIDE
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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			80% OF CHANNEL WIDTH (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)	
Reach D: Begins at Boston Post Road Bridge to approximately 30 feet seaward of the east and west "Y" junction.	Map 61 Pg 11 thru 14 of 14; 25-28 July 2013	70	0.9	10*	5.4

REMARKS:

- All depths in Mean Lower Low Water (Project originally to Mean Low Water)
- Channel length is in nautical miles.

EAST CHESTER CREEK:

- **Reach A:** Channel wide shoaling begins from approx. 500 ft. landward of Red Nun # 6 to approx. 390 ft. seaward of Green #7 W/LT. Shoaling continues in the Left Outside Quarter of the channel from approx. 45 ft. seaward of Green #7 W/LT extending approx. 350 ft. landward of Green Can #9. A shoal begins in the Left Outside Quarter approx 90 ft. landward of Green Can #11 and extends approx 130 ft. landward with max. width of 20 ft. Sporadic shoaling exists in the Right Outside Quarter beginning approx 430 ft. landward of Green Can #11 and extends to end of the reach. A shoal exists in the Left Outside Quarter and Middle Half of channel beginning approx. 520 ft. landward of Green Can #11 extending approx. 175 ft. landward with max. width of 84 ft.
- **Reach B:** Shoaling exists in Right Outside Quarter beginning approx. 170 ft. landward of start of reach and extending approx. 245 ft. landward. Another shoal in the Right Outside Quarter exists approx. 30 ft. seaward of Red Nun #2 and extends landward approx. 740 ft. with a max. width of approx. 45 ft. A shoal in Left Outside Quarter begins approx. 400 ft. seaward of Red Nun #2 and extends landward approx. 250 ft. with max. width of 40 ft. Another shoal in Left Outside Quarter begins approx. 318 ft. seaward extending to end of reach. Spot shoaling exists in Middle Half of channel starting approx. 330 ft. landward of Red Nun #2 and extending approx. 85 ft. landward. Shoaling exists in Right Outside Quarter beginning approx. 135 ft. landward of Red Nun #2 and extends approx. 440 ft. landward with max. width of 45 ft. Another shoal in Right Outside Quarter starts approx. 45 ft. seaward of Green Can #3 and extends to end of reach.
- **Reach C:** Shoaling exists in both the Left and Right Outside Quarters throughout much of this reach. Project depth is available in the Middle Half of the channel throughout the first 2379 ft. of this reach. Shoaling exists throughout the majority of the Middle Half for the rest of the reach.
- **Reach D:** Shoaling exists throughout the majority of this reach.

Note:

*Never constructed to 10ft. previously dredged to 8ft only.