

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

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DATE 9 June 2014

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. 1,250 ft. seaward of Green #7 W/LT to the Pelham Highway Bridge. | Map 62 Pg 4 thru 6 of 14; 1-4 April 2014 | 60-200 | 1.7 | 10* | 4.8 | 4.4 | 4.7 |
| Reach B: Begins at the Pelham Highway Bridge to the Hutchinson River Parkway Bridge. | Map 62 Pg 6 thru 8 of 14; 1-4 April 2014 | 60-200 | 0.5 | 10* | 3.5 | 9.6 | 6.9 |
| Reach C: Begins at the Hutchinson River Parkway Bridge to Boston Post Road Bridge. | Map 62 Pg 8 thru 11 of 14; 1-4 April 2014 | 150-200 | 0.9 | 10* | 0.4 | 4.7 | 0.8 |

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<100 FEET WIDE
(ER 1130-2-306)**

| 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 D: Begins at Boston Post Road Bridge to approximately 640 feet seaward of the east and west "Y" junction. | Map 62 Pg 11 thru 14 of 14; 1-4 April 2014 | 70-230 | 0.6 | 10* | +0.4 | 3.3 | 0.2 |

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 (Partial):** Channel wide shoaling begins from approx. 1,250 ft. seaward of Green #7 W/LT to approximately 90 ft seaward of Green #7 W/LT. Shoaling continues in the Left Outside Quarter of the channel beginning at Green #7 W/LT and extending approximately 825 ft. landward, with a maximum width of approximately 76ft. that extends into the Middle Half of the Channel. Spot shoaling across that entire width of the channel begins approximately 485 ft. seaward of the end of the reach and extends landward approximately 420ft.
- **Reach B:** Shoaling exists in Right Outside Quarter beginning approximately 135 ft. landward of start of reach and extending approximately 280 ft. landward. Sporadic spot shoaling exists beginning approximately 80 feet seaward of the railroad and extends landward approximately 200 feet. Another shoal in the Right Outside Quarter exists approximately 15 ft. seaward of Red Nun #2 and extends landward approximately 700 ft. with a maximum width of approximately 30 ft. A shoal in Left Outside Quarter begins approx. 145 ft. landward of Red Nun #2 and extends landward approximately 435 ft. with maximum width of 40 ft. Another shoal in Left Outside Quarter begins approximately 30 ft. seaward of GREEN CAN #3 extending landward to end of reach. Spot shoaling exists in Middle Half of channel starting approximately 350 ft. landward of Red Nun #2 and extending approximately 70 ft. landward. Shoaling exists in Right Outside Quarter beginning approximately 670 ft. landward of GREEN CAN #3 and extends approximately 340 ft. landward with maximum width of 35 ft.
- **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 approximately the first 2,370 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.