

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-3165)**

PAGE 1 **OF** 2
DATE September 28, 2007

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)			
EAST CHESTER CREEK							
Reach A: From approximately 6,125 feet (ft) seaward of RED NUN 6 to Pelham Highway Bridge, approximately 990 ft landward from GREEN CAN 11	File 55, Sheets 1-6 of 14; 11-25 July 2007	150-200	1.7	8	4.8	4.8	4.8
Reach B: From Pelham Highway Bridge, approximately 990 ft landward from GREEN CAN 11, to Hutchinson River Parkway Bridge, approximately 870 ft landward from GREEN CAN 3	File 55, Sheets 6-8 of 14; 11-25 July 2007	60-150	0.52	8	4.7	9.9	8.1
Reach C: From Hutchinson River Parkway Bridge, approximately 870 ft landward from GREEN CAN 3, to approximately 700 ft seaward from Boston Post Road Bridge	File 55, Sheets 8-12 of 14; 11-25 July 2007	150-200	0.87	8	+0.4	0.9	0.5

REMARKS:

- All depths are in Mean Low Water.
- The channel length is in nautical miles.
- Reach D is less than 100 ft wide and is reported on Page 2 of this CDR.
- The Y portion of the project, Reaches E and F, has been de-authorized by the provision of the Water Resources Development Act of 1986; therefore, a portion of Sheet 14 was not evaluated.

EAST CHESTER CREEK

- **Reach A:** Shoaling exists in all quarters of the channel beginning approximately 580 ft landward from the beginning of the reach for approximately 1,630 ft. Shoaling continues across the entire width of the channel beginning approximately 2,900 ft seaward from RED NUN 6 for approximately 4,200 ft.
- **Reach B:** Shoaling approximately 430 ft in length occupies up to 75% of the width of the Left Outside Quarter (LOQ) beginning approximately 130 ft landward from GREEN CAN 3.
- **Reach C:** Shoaling occupies up to 25-50% of the width of the majority of the LOQ of this reach until approximately 475 ft landward of GREEN CAN 7 where it begins to occupy the entire LOQ. Thence, the shoaling extends into the middle half of the channel until approximately 150 ft landward of the New England Thruway and the shoaling reduces to 25-50% of the width of the LOQ.

Shoaling exists in the Right Outside Quarter (ROQ) throughout this reach. Shoaling begins approximately 175 ft seaward of RED NUN 6 and continues landward approximately 2,065 ft occupying up to the entire width of the ROQ. Shoaling begins approximately 1,065 ft landward of GREEN CAN 7 and continues landward approximately 850 ft occupying between 25-50% of the ROQ. More shoaling, extending up to the entire width of the ROQ, begins at the New England Thruway and continues to the end of the reach.

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East Chester Creek, New York

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			80% CHANNEL WIDTH (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)	
EAST CHESTER CREEK					
Reach D: From approximately 700 ft seaward from Boston Post Road Bridge to approximately 300 ft seaward from the east and west "Y" junction	File 55, Sheets 12-14 of 14; 11-25 July 2007	70	0.96	8	1.3

REMARKS:

- All depths are in Mean Low Water.
- The channel length is in nautical miles.

EAST CHESTER CREEK

- **Reach D:** In general, shoaling exists in the majority of the left outside and right outside sections of the channel and extends up to 50% into the middle section of the channel. In some areas, the shoaling extends up to the entire width of the middle section of the channel beginning approximately 845 ft seaward of the Fulton Avenue Bridge until the end of the reach.