

**REPORT OF CHANNEL CONDITIONS
VARIOUS WIDTHS
(ER 1130-2-3165)**

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TO: The Record

FROM: U.S. Army Corps of Engineers
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NEW YORK HARBOR, NEW YORK:
Westchester Creek, New York

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT					
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
<u>Reach A:</u> Begins at Red Nun #2; Ends at approximately 40 feet landward of Red Nun #6 at first hard bend.	Map 58, Pg 1 & 2 of 8; 26 & 27 September 2007	100	0.34	12	Left Outside Quarter (ft) 1.8	Middle Half (ft) 5.4	Right Outside Quarter (ft) 4.4
<u>Reach B:</u> Begins at approximately 40 feet landward of Red Nun #6 at first hard bend; Ends at approximately 430 feet landward of Green Can #13.	Map 58, Pg 2, 3 & 4 of 8; 26 & 27 September 2007	80	0.52	12		80% of Channel Width (ft) 3.4	
<u>Reach C:</u> Begins at approximately 430 feet landward of Green Can #13. Ends at where the Turning Basin begins approximately 4,100 feet landward of the beginning of the Reach.	Map 58, Pg 4, 5 & 6 of 8; 26 & 27 September 2007	60	0.67	12		80% of Channel Width (ft) 4.4	
<u>Reach D:</u> Turning Basin; Begins at approximately 4,100 feet landward of the beginning of Reach C; Ends at where the Turning Basin ends approximately 540 feet landward.	Map 58, Pg 6 & 7 of 8; 26 & 27 September 2007	125	0.09	12	Left Outside Quarter (ft) 7.1	Middle Half (ft) 8.1	Right Outside Quarter (ft) 9.6
<u>Reach E:</u> Begins at where the Turning Basin ends approximately 540 feet landward of the beginning of Reach D; Ends at the upstream limit of the Federal Project approximately 3,415 feet landward of the beginning of the Reach.	Map 58, Pg 7 & 8 of 8; 26 & 27 September 2007	60	0.56	12		80% of Channel Width (ft) 6.5	

REMARKS:

- All Depths in MLW
- Channel length is in Nautical Miles

WESTCHESTER CREEK

- **Reach A:** Shoaling exists along the entire length of this Reach and throughout the entire width of the Channel.
- **Reach B:** Shoaling exists along the entire length of the Reach and throughout the entire width of the channel.
- **Reach C:** Shoaling exists in approximately 80% of the Reach and extends the width of the Channel. A break in shoaling for approximately 950 feet is present in the Middle Half of the Channel at the landward end of the Reach
- **Reach D:** Shoaling exists as follows: the entire length of the Left Outside Quarter and throughout its entire width; the entire length of the Middle Half and up to 70% of the width; approximately 60% of the entire length of the Right Outside Quarter and up to 50% of the width.
- **Reach E:** Shoaling is scattered along approximately 85% of the entire length of the Reach and across approximately 20 – 100% the entire width of the Channel.