

**REPORT OF CHANNEL CONDITIONS  
400 FEET WIDE OR GREATER  
(ER 1130-2-306)**

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**DATE** January 30, 2008

**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:**  
New York Harbor, Channel Along NJ Pierhead Line

**MINIMUM DEPTHS IN CHANNEL  
ENTERING FROM SEAWARD**

NAME OF REACH	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
<b>Reach A (extension):</b> Rectangular shape widening of Reach A on east side of junction with NY & NJ Channels: Commencing from RED #2 to approx. 2,650 ft upstream	Map 35 Sh 2 of 2; Sept – Nov 2007	300	0.44	20	18.6			
<b>Reach A:</b> From junction with NY & NJ Channels to approx. 1,000 ft upstream of GREEN #5	Map 35 Sh 2 of 2; Sept – Nov 2007	Irregular	0.53	20	13.5	20.8	21.3	21.2
<b>Reach B:</b> From approx 1,000 ft upstream of GREEN #5 to approx. 200 ft downstream of GREEN CAN #19	Map 35 Shs 1,2 of 2; Sept – Nov 2007	500	0.86	20	7.3	17.0	18.1	14.1
<b>Reach C:</b> From approximately 200 ft downstream of GREEN CAN #19 to GREEN #1	Map 35 Sh 1 of 2; Sept – Nov 2007	500	0.87	20	7.5	7.2	7.0	6.6
<b>Reach C (extension):</b> Triangular shape widening of Reach C: From RED NUN #18 to approx 650 ft downstream of GREEN #1	Map 35 Sh 1 of 2; Sept – Nov 2007	Irregular	0.61	20	7.7			

**REMARKS:**

- All depths in Mean Low Water (MLW)
- Channel length is in nautical miles.
- **Reach A (extension):** Shoaling starts at approximately 1,200 ft upstream of RED #2 and continues upstream for approximately 900 ft with a minimum depth of 18.6 ft.
- **Reach A:** A 1,700 foot shoal occurring along the left channel toe line starts from a distance approximately 1,400 ft from the junction with NY & NJ Channels to GREEN #5 with a minimum depth of 13.5 feet.
- **Reach B:** Shoaling exists along the left outer quarter of the channel starting from GREEN #13 and continues upstream for approximately 1,250 ft with minimum depth of 7.3 ft along the left channel toe line. Shoaling exists along the toe line of the right outer quarter of the channel starting at a point approximately 300 ft downstream of RED #16 and spreads across the mid-half channel at RED NUN #18 (end of Reach B).
- **Reach C:** The channel is completely shoaled in starting from the beginning of Reach C (RED NUN #18 and GREEN CAN #19) to a distance approximately 800 ft downstream of GREEN #1. There is a 300 foot break in the shoal across the entire channel width between RED & GREEN "P" and RED #6.
- **Reach C (extension):** Shoaling exists in the entire triangular widening area with the exception of a 300 foot break in the shoal across the entire channel width downstream of RED NUN #4. The minimum depth of the widening area is 7.7 ft at the channel bend.