

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

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:
Hudson River Channel, New York

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	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)				
Reach A (Center): Commences approximately 2650 feet seaward of GREEN #35 w/ Light and continues to approximately opposite Pier No. 81 in NY, around W. 40 th Street	Map 265 p. 2-6 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	2,000	4.67	45	37.6	47.0	45.0	45.4
Reach B (New Jersey): Commences at the entrance, approximately 1050 feet landward of GREEN #35 w/ Light, and continues to approximately opposite Pier No. 81 in NY, around W. 40 th Street	Map 265 p. 3-6 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	250 - 850	4.13	40	25.0	27.9	30.6	34.2
Reach C (New York): Commences at the entrance, approximately 1650 feet landward of GREEN #35 w/ Light, (at the junction with the East River) and continues to approximately Pier No. 81 in NY, around W. 40 th Street	Map 265 p. 3-6 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	500-1,000	3.92	40	41.2	37.5	30.1	18.4
Reach D (Center): Commences at approximately Pier No. 81 in NY, around W. 40 th Street, and continues until approximately Pier No. 99 in NY, around W. 59 th Street	Map 265 p. 6-7 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	2,000	0.84	48	47.8	51.0	44.2	27.6
Reach E (New Jersey): Commences at approximately Pier No. 81 in NY, around W. 40 th Street, and continues until approximately opposite Pier No. 99 in NY, around W. 59 th Street	Map 265 p. 6-7 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	250 - 750	0.84	40	14.1	32.5	42.4	45.1
Reach F – Partial (New York): Commences at approximately Pier No. 81 in NY, around W. 40 th Street, and continues until approximately opposite Pier No. 83 in NY, around W. 43 rd Street	Map 265 p. 6-7 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	50 - 600	0.12	40	27.5	27.4	26.0	25.4
Reach F – Partial (New York): Commences at approximately Pier No. 83 in NY, around W. 43 rd Street, and continues until approximately opposite Pier No. 99 in NY, around W. 59 th Street	Map 265 p. 7 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	50	0.70	40	80% of Channel Width: 24.9			

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CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	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)				
Reach G: Commences at approximately opposite Pier No. 99 in NY, around W. 59 th Street, and continues to approximately opposite W. 75 th Street in NY	Map 265 p. 7-8 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	750	0.72	30	19.8	33.3	38.8	42.1
Reach H: Commences approximately opposite W. 75 th Street in NY, and continues to Ford Dock, approximately opposite W. 107 th Street in NY	Map 265 p. 8-9 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	750	1.37	30	23.1	27.6	29.3	30.6
Reach I: Commences at approximately W. 107 th Street in NY and continues to Ameranda Hess Oil Terminal Wharf, approximately opposite W. 122 nd Street in NY	Map 265 p. 9-10 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	750	0.61	30	12.4	20.3	22.2	24.1
Reach J: Commences at approximately W. 122 nd Street in NY and continues to a point approximately opposite the New York City Department of Sanitation Marine Transfer Station Barge Slip, approximately opposite W. 135 th Street in NY	Map 265 p. 10-11 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	750	0.58	30	14.5	16.8	19.2	21.8
Reach K: Commences at approximately W. 135 th Street in NY, and continues to approximately opposite W. 156 th Street in NY	Map 265 p.11 of 11; 28-30 Sept, 1,26-29 Oct, 3-5 Nov, 15,18,21-22,30 Dec 2009	750	1.00	30	15.1	18.5	20.7	22.6

REMARKS:

- All depths are in reference to Mean Low Water (MLW).
- Channel Length is in nautical miles.

Hudson River Channel, NY

- **Reach A:** There is shoaling in the Left Outside Quarter extending approximately 6,300 feet landward, beginning approximately 1,050 feet landward of GREEN #35 w/ light.
- **Reach B:** There is shoaling across the width of the reach for approximately the first 2,500 feet. Shoaling then tapers to the Left Outside Quarter and Left Inside Quarter for the remainder of the reach.
- **Reach C:** There is shoaling along the Right Outside Quarter for the majority of the reach, with shoaling spreading into the Right Inside Quarter. Shoaling also extends into the Left Inside Quarter towards the end of the reach.
- **Reach D:** Most of the Right Outside Quarter is shoaled in, with minor shoaling along the eastern edge of the Right Inside Quarter.

REMARKS (continued):**Hudson River Channel, NY**

- **Reach E:** There is shoaling in the Left Outside Quarter for the entire length of the reach, with some shoaling spreading to the Left Inside Quarter towards the end of the reach.
- **Reach F:** The entire reach is shoaled in.
- **Reach G:** There is shoaling along the Left Outside Quarter for the entire reach.
- **Reach H:** There is minor shoaling in the Left Outside Quarter at the start of the reach. Thence project depth is available across the width of the reach. Approximately 4,300 feet seaward of the end of the reach, shoaling begins across the Left Outside Quarter and Left Inside Quarter, and continues until the end of the reach.
- **Reach I:** The entire reach is shoaled in except for a small portion of the Right Inside Quarter and Right Outside Quarter at the start of the reach.
- **Reach J:** The entire reach is shoaled in.
- **Reach K:** There is shoaling across the width of the reach until approximately 2,200 feet landward of the start of the reach, where project depth begins to become available in the Right Outside Quarter, and is eventually available across the width of the reach.