

**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 460 feet seaward of GREEN LIGHT #35 and continues to approximately opposite Pier No. 81 in NY, around W. 40 th Street	Map 272 p. 1-5 of 11; 17-31 March 2014, 1-18 April 2014	2,000	4.42	45	36.8	43.8	44.4	44.7
Reach B (New Jersey): Commences at the entrance, approximately 960 feet landward of GREEN LIGHT #35, and continues to approximately opposite Pier No. 81 in NY, around W. 40 th Street	Map 272 p. 1-5 of 11; 17-31 March 2014, 1-18 April 2014	250 - 850	4.21	40	17.4	27.5	30.1	34.1
Reach C (New York): Commences at the entrance, approximately 1530 feet landward of GREEN LIGHT #35, (at the junction with the East River) and continues to approximately Pier No. 81 in NY, around W. 40 th Street	Map 272 p. 1-5 of 11; 17-31 March 2014, 1-18 April 2014	500-1,000	3.98	40	41.3	39.6	30.4	9.8
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 272 p. 5-6 of 11; 17-31 March 2014, 1-18 April 2014	2,000	0.87	48	47.1	51.3	46.0	27.3
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 272 p. 5-6 of 11; 17-31 March 2014, 1-18 April 2014	250 - 750	0.86	40	17.2	32.4	43.5	45.4
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 272 p. 5 of 11; 17-31 March 2014, 1-18 April 2014	50 - 600	0.14	40	35.5	28.6	29.3	24.9
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 272 p. 6-7 of 11; 17-31 March 2014, 1-18 April 2014	750	0.58	30	10.7	31.9	38.6	37.2
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 272 p. 7-8 of 11; 17-31 March 2014, 1-18 April 2014	750	1.52	30	23.1	27.7	29.0	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 272 p. 8-9 of 11; 17-31 March 2014, 1-18 April 2014	750	0.61	30	16.3	20.9	23.2	26.0
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 272 p. 9-10 of 11; 17-31 March 2014, 1-18 April 2014	750	0.57	30	15.5	18.3	21.1	23.8

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PAGE 2 OF 2

DATE: 20 May 2014

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 26 Federal Plaza, ATTN: CENAN-OP-ST
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RIVER/HARBOR NAME AND STATE:

Hudson River Channel, NY

**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 K: Commences at approximately W. 135 th Street in NY, and continues to approximately opposite W. 156 th Street in NY	Map 272 p.10 of 11; 17-31 March 2014, 1-18 April 2014	750	0.97	30	17.3	20.7	23.1	25.0

REMARKS:

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

Hudson River Channel, NY

- **Reach A:** There is a shoal along the outside edge of the Left Outside Quarter for the approximately 6370 feet, beginning approximately 945 feet landward of GREEN LIGHT #35.
- **Reach B:** The entire width of the reach is shoaled in for approximately the first 4475 feet of the reach. Thence, the shoal tapers to lie across only the Left Outside Quarter for approximately 600 feet before extending back into the Left and Right Inside Quarters for approximately 2530 feet. This shoal then recedes to exist only the Left Outside Quarter. The majority of the Left Outside Quarter is shoaled in for the length of the reach.
- **Reach C:** There is shoaling in the Right Outside Quarter for the majority of the reach, with the shoal extending into the Right Inside Quarter at some locations.
- **Reach D:** The majority of the Right Outside Quarter is shoaled in for most of the reach.
- **Reach E:** There is shoaling in the Left Outside Quarter for the majority of the reach, extending into the Left Inside Quarter at the landward end.
- **Reach F:** The Left Inside Quarter, Right Inside Quarter and Right Outside Quarter are shoaled in for the majority of the reach.
- **Reach G:** There is shoaling in the Left Outside Quarter for approximately the first 2580 feet of the reach.
- **Reach H:** There is shoaling in the Left Outside Quarter and Left Inside Quarter beginning approximately 4800 feet landward of the start of the reach and continuing to the end of the reach.
- **Reach I:** Project depth is available in the Right Inside Quarter and Right Outside Quarter for approximately the first 900 feet of the reach, thence shoaling extends across the full channel width for the remainder of the reach.
- **Reach J:** The entire reach is shoaled in.
- **Reach K:** There is shoaling across the width of the channel for approximately the first 1385 feet of the reach, thence tapering to lie across only the Left Inside Quarter and Left Outside Quarter. Project depth is then available across the full width of the channel for the remainder of the reach.