

**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/ Bell and continues to approximately opposite Pier No. 81 in NY, around W. 40 th Street	Map 271 p. 1-5 of 11; 26 Jun 2013; 8-10, 12, 15-17, 22-26, 29, 30 Jul 2013	2,000	4.67	45	37.1	43.5	41.1	44.8
Reach B (New Jersey): Commences at the entrance, approximately 1050 feet landward of GREEN #35 w/ Bell and continues to approximately opposite Pier No. 81 in NY, around W. 40 th Street	Map 271 p. 1-5 of 11; 26 Jun 2013; 8-10, 12, 15-17, 22-26, 29, 30 Jul 2013	250 - 850	4.13	40	21.2	27.5	30.0	33.6
Reach C (New York): Commences at the entrance, approximately 1650 feet landward of GREEN #35 w/ Bell, (at the junction with the East River) and continues to approximately Pier No. 81 in NY, around W. 40 th Street	Map 271 p. 1-5 of 11; 26 Jun 2013; 8-10, 12, 15-17, 22-26, 29, 30 Jul 2013	500-1,000	3.92	40	41.0	37.9	30.1	18.5
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 271 p. 5-6 of 11; 26 Jun 2013; 8-10, 12, 15-17, 22-26, 29, 30 Jul 2013	2,000	0.84	48	48.0	51.3	44.6	26.0
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 271 p. 5-6 of 11; 26 Jun 2013; 8-10, 12, 15-17, 22-26, 29, 30 Jul 2013	250 - 750	0.84	40	15.3	35.3	43.8	45.5
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 271 p. 5 of 11; 26 Jun 2013; 8-10, 12, 15-17, 22-26, 29, 30 Jul 2013	50 - 600	0.12	40	34.2	33.7	28.7	23.4
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 271 p. 6-7 of 11; 26 Jun 2013; 8-10, 12, 15-17, 22-26, 29, 30 Jul 2013	750	0.72	30	13.2	31.4	38.3	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 271 p. 7-8 of 11; 26 Jun 2013; 8-10, 12, 15-17, 22-26, 29, 30 Jul 2013	750	1.37	30	23.5	28.2	28.9	30.4

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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 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 271 p. 8-9 of 11; 26 Jun 2013; 8-10, 12, 15-17, 22-26, 29, 30 Jul 2013	750	0.61	30	14.3	21.1	23.8	26.5
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 271 p. 9-10 of 11; 26 Jun 2013; 8-10, 12, 15-17, 22-26, 29, 30 Jul 2013	750	0.58	30	14.9	18.1	20.7	23.5
Reach K: Commences at approximately W. 135 th Street in NY, and continues to approximately opposite W. 156 th Street in NY	Map 271 p.10 of 11; 26 Jun 2013; 8-10, 12, 15-17, 22-26, 29, 30 Jul 2013	750	1.00	30	16.3	20.3	22.8	24.4

REMARKS:

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

Hudson River Channel, NY

- Reach A:** Spot shoaling occurs on the Left Outside Quarter of the channel beginning approximately 600 feet seaward of GREEN LIGHT W/BELL #35 extending for approximately 400 feet seaward, with a maximum width of 40 feet. Another shoaling occurs on the Left Outside Quarter with a maximum width of 220 feet extending approximately 6,500 feet landward, beginning approximately 1,000 feet landward of GREEN LIGHT W/BELL #35.
- Reach B:** Channel wide shoaling beginning approximately 1,000 feet landward of GREEN LIGHT W/BELL #35 and extending approximately for the first 6,700 feet. Shoaling then tapers to the Left Outside Quarter and Left Inside Quarter of the channel beginning approximately from 2,200 feet landward of GREEN CAN #1 and extending to the remainder of the reach.
- Reach C:** Shoaling exists along the Right Outside Quarter for the majority of the reach, with shoaling spreading into the Right Inside Quarter of the channel beginning approximately 7,000 feet landward of GREEN CAN #1 and extending into the Left Inside Quarter towards the end of the reach.
- Reach D:** Shoaling exists along the majority of the Right Outside Quarter of the channel beginning approximately 20, 500 feet landward of GREEN CAN #1 and extending towards the end of the reach with a maximum width of 650 feet.
- Reach E:** Shoaling exists along the Left Outside Quarter of the channel beginning approximately 20, 500 feet landward of GREEN CAN #1 with some shoaling spreading to the Left Inside Quarter of the channel towards the end of the reach, with a maximum width of 260 feet.
- Reach F:** The entire reach is shoaled in.
- Reach G:** Shoaling exists along the Left Outside Quarter of the channel beginning approximately 25,650 feet landward of GREEN CAN #1 and extending towards the end of the reach, with a maximum width of 100 feet.
- Reach H:** Shoaling exists along the Left Outside Quarter of the channel beginning approximately 29,050 feet landward of GREEN CAN #1 and extending approximately for the first 1,700 feet landward. Another shoaling exists along the Left Outside Quarter and Left Inside Quarter of the channel beginning approximately 34,000 feet landward of GREEN CAN #1 and continues until the end of the reach with a maximum width of 440 feet.
- Reach I:** Shoaling exists along the Left Outside Quarter and Left Inside Quarter of the channel beginning approximately 38,400 feet landward of GREEN CAN #1 and spreading towards the entire width of the channel until the end of the reach.
- Reach J:** Channel wide shoaling beginning approximately 42,100 feet landward of GREEN CAN #1 and extending towards the end of the reach.
- Reach K:** Channel wide shoaling beginning approximately 45,650 feet landward of GREEN CAN #1 and extending approximately for the first 1,300 feet landward. Shoaling then tapers to the Left Outside Quarter of the channel beginning approximately from 46,950 feet landward of GREEN CAN #1 ending 3,000 feet landward.

