

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER**

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 at the entrance to the channel approximately 350 feet seaward of GREEN LIGHT #35 and continues approximately 690 feet seaward of BUOY (HALF SUNK) around W. 40 th Street in NY	Map 273 pgs. 1-5 of 11; 19 Jan. 2015 – 21 Apr. 2015	2,000	4.42	45	36.7	40.6	40.5	42.5
Reach B (New Jersey): Commences approximately 1400 feet landward of the entrance of the channel, approximately 1060 feet landward of GREEN LIGHT #35, and continues to approximately 690 feet seaward of BUOY (HALF SUNK) around W. 40 th Street in NY	Map 273 pgs. 1-5 of 11; 19 Jan. 2015 – 21 Apr. 2015	250 - 850	4.21	40	20.8	26.8	29.9	33.5
Reach C (New York): Commences approximately 2240 feet landward of the entrance of the channel, at the approximate location of GREEN LIGHT #1, (at the junction with the East River) and continues to approximately 540 feet seaward of BUOY (HALF SUNK)	Map 273 pgs. 1-5 of 11; 19 Jan. 2015 – 21 Apr. 2015	500-1,000	3.98	40	41.0	38.9	32.3	11.5
Reach D (Center): Commences approximately 690 feet seaward of BUOY (HALF SUNK), around W. 40 th Street, and continues until approximately Pier No. 99 in NY, around W. 59 th Street	Map 273 pgs. 5 & 6 of 11; 19 Jan. 2015 – 21 Apr. 2015	2,000-2,500	0.87	48	47.3	51.2	45.5	25.3
Reach E (New Jersey): Commences approximately 690 feet seaward of BUOY (HALF SUNK), around W. 40 th Street, and continues until approximately Pier No. 99 in NY, around W. 59 th Street	Map 273 pgs. 5 & 6 of 11; 19 Jan. 2015 – 21 Apr. 2015	250 - 750	0.86	40	18.2	32.1	43.0	45.4
Reach F – Partial (New York): Commences 540 feet seaward of BUOY (HALF SUNK), and continues until approximately Pier No. 99 in NY, around W. 59 th Street	Map 273 pgs. 5 & 6 of 11; 19 Jan. 2015 – 21 Apr. 2015	50 - 280	0.14	40	80% of channel width 24.0			
Reach G: Commences approximately opposite Pier No. 99 in NY, around W. 59 th Street, and continues to approximately opposite W. 75 th Street in NY	Map 273 pgs. 6 & 7 of 11; 19 Jan. 2015 – 21 Apr. 2015	750	0.58	30	20.6	31.8	38.0	37.0
Reach H: Commences approximately opposite W. 75 th Street in NY, and continues to the vicinity of Ford Dock, approximately opposite W. 107 th Street in NY	Map 273 pgs. 7 & 8 of 11; 19 Jan. 2015 – 21 Apr. 2015	750	1.52	30	23.8	27.2	28.6	29.9
Reach I: Commences approximately opposite W. 107 th Street in NY and continues to Ameranda Hess Oil Terminal Wharf, approximately opposite W. 122 nd Street in NY	Map 273 pgs. 8 & 9 of 11; 19 Jan. 2015 – 21 Apr. 2015	750	0.61	30	15.9	19.5	22.8	26.7

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER**

PAGE 2 OF 2

DATE: **XX July 2015**

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 J: Commences approximately opposite 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 273 pgs. 9 & 10 of 11; 19 Jan. 2015 – 21 Apr. 2015	750	0.57	30	14.6	17.6	20.3	23.7
Reach K: Commences approximately opposite W. 135 th Street in NY, and continues to approximately opposite W. 156 th Street in NY	Map 273 p.10 of 11; 19 Jan. 2015 – 21 Apr. 2015	750	0.97	30	17.4	20.6	22.3	24.6

REMARKS:

- All depths are relative to Mean Lower Low Water (MLLW).
- The Channel reach lengths are in nautical miles.

Hudson River Channel, NY

- Reach A:** Shoaling exists along the outside edge of the Left Outside Quarter beginning approximately 1,020 feet landward of GREEN LIGHT #35 and continuing landward for approximately 6,340 feet. Spot shoals exist in the Left Inside, Right Inside, and Right Outside Quarters between approximately 5,600 feet seaward of GREEN CAN #1 to approximately 8,760 feet seaward of GREEN CAN #1.
- Reach B:** Shoaling exists across the entire width of the reach starting approximately 1060 feet landward of GREEN LIGHT #35 to approximately 70 feet landward of GREEN CAN #1. Thence, the shoal tapers landward to lie across the Left Outside Quarter for the majority of the reach. At some locations, the shoal widens into the Left and Right Inside Quarters.
- Reach C:** Shoaling exists in the Right Outside Quarter for the majority of the reach, with the shoal widening into the Right Inside Quarter. Shoaling also exists in the Left Inside Quarter starting approximately 1,340 feet seaward of BUOY (HALF SUNK) to approximately 570 feet seaward of BUOY (HALF SUNK).
- Reach D:** Shoaling exists in the majority of the Right Outside Quarter for the entire length of the reach, with the shoal extending into the Right Inside Quarter beginning approximately 40 feet landward of BUOY (HALF SUNK) and continuing landward for approximately 2,470 feet before tapering back into the Right Outside Quarter. Shoaling also exists in the Left Outside Quarter approximately 690 feet seaward of BUOY (HALF SUNK) and continues approximately 1,360 feet.
- Reach E:** Shoaling exists in the Left Outside Quarter for the entire length of the reach, extending into the Left Inside Quarter approximately 1,569 feet seaward of Pier No. 99 in NY, around W. 59th Street.
- Reach F:** Shoaling exists throughout the entire width of the reach beginning approximately 570 feet seaward of BUOY (HALF SUNK) to approximately 1,560 feet landward of BUOY (HALF SUNK). Shoaling exists approximately 1,840 feet landward of BUOY (HALF SUNK) to continues to approximately Pier No. 99 in NY, around W. 59th Street.
- Reach G:** Shoaling exists in the majority of the Left Outside Quarter for the entire length of the reach.
- Reach H:** Shoaling exists in the Left Outside Quarter from the beginning of Reach H and continues approximately 1,550 feet landward. Shoaling exists again in the Left Outside Quarter and the Left Inside Quarter approximately 4,750 feet landward from the start of the reach and continues landward to the end of Reach H.
- Reach I:** Project depth is available in the Right Inside Quarter for approximately the first 1,400 feet of this reach and in Right Outside Quarter for approximately the first 2,750 feet of the reach. Thence shoaling extends across the full channel width for the remainder of the reach.
- Reach J:** Shoaling exists throughout the entire length of this reach.
- Reach K:** Shoaling exists across the width of the channel for approximately the first 1,260 feet of the reach, thence tapering landward to lie across the Left Inside Quarter and Left Outside Quarter. Project depth is then available across the full width of the channel for approximately the last 1,870 feet of the reach.