

REPORT OF CHANNEL CONDITIONS (FOR CHANNELS 400 FEET WIDE OR GREATER)							PAGE 1 OF 3 PAGES		
							DATE: 07 August 2019		
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 EACH ¼ WIDTH OF CHANNEL ENTERING FROM SEAWARD				
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (LOQ) (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (ROQ) (feet)	
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (LIQ) (feet)	RIGHT INSIDE QUARTER (RIQ) (feet)		
Reach A (Center): Commences at the entrance of the channel approximately 695 feet seaward of GREEN #35 W/LIGHT FLOOD, and continues to the approximate location of W.40 th St in NYC.	File 277, Pgs. 1-5 of 10;18 Dec 2018-14 Feb 2019	2,000	4.42	45	35.9	42.4	44.5	43.4	
Partial Reach B (New Jersey): Commences approximately 1,400 feet landward of the entrance of the channel at a point approximately 925 feet landward of GREEN #35 W/LIGHT, and continues to a point at the approximate location of W.40 th St in NYC. A gap in survey coverage exists in a portion of the LOQ and LIQ of this partial reach.	File 277, Pgs. 1-5 of 10;18 Dec 2018-14 Feb 2019	200 – 850	3.84	40	16.2	26.3	28.7	32.1	
Partial Reach C (New York): Commences approximately 2,240 feet landward of the entrance of the channel at the junction with the East River, and continues to a point at the approximate location of W.40 th St in NYC. A gap in survey coverage exists in portions of the ROQ of this partial reach.	File 277, Pgs. 1-5 of 10;18 Dec 2018-14 Feb 2019	485 - 1,000	4.01	40	41.1	39.4	29.1	19.0	
Partial Reach D (Center): Commences at the approximate location of W.40 th St in NYC, and continues to the approximate location of Pier No. 99 around W.59 th St. A gap in survey coverage exists in a portion of the ROQ of this partial reach.	File 277, Pgs. 5-6 of 10;18 Dec 2018-14 Feb 2019	2,000	0.87	48	46.3	51.6	45.1	27.6	
Reach E (New Jersey): Commences at the approximate location of W.40 th St in NYC, and continues to a point at the approximate location of Pier No. 99 in NYC around W.59 th St.	File 277, Pgs. 5-6 of 10;18 Dec 2018-14 Feb 2019	265 - 775	0.86	40	14.0	34.8	42.7	45.1	
Partial Reach F (New York): Survey coverage commences at the approximate location of W.40 th St in NYC, and continues to a point approximately 685 feet landward of the same. Thence survey coverage continues at approximately 2,310 feet landward of W 40 th St to a point at the approximate location of Pier No. 99 in NYC around W.59 th St.	File 277, Pgs. 5-6 of 10;18 Dec 2018-14 Feb 2019	50 - 610	0.81	40	80% OF CHANNEL WIDTH 18.5				
Reach G: Commences at the approximate location of Pier No. 99 in NYC around W.59 th St, and continues to a point located approximately opposite W.75 th St in NYC.	File 277, Pgs. 6-7 of 10;18 Dec 2018-14 Feb 2019	750	0.72	30	14.5	32.0	33.3	37.2	
Reach H: Commences at a point located approximately opposite W.75 th St in NYC, and continues to a point located approximately 8,360 feet landward of the beginning of the reach (in the approximate vicinity of opposite W.107 th St in NYC).	File 277, Pgs. 7-8 of 10;18 Dec 2018-14 Feb 2019	750	1.38	30	21.9	26.6	28.2	30.1	
Reach I: Survey coverage commences at a point located in the approximate vicinity of opposite W.107 th St in NYC, and continues to the approximate location of the Ameranda Hess Oil Terminal Wharf (in the approximate vicinity of opposite W.122 nd St in NYC).	File 277, Pgs. 8-9 of 10;18 Dec 2018-14 Feb 2019	750	0.61	30	12.6	19.9	22.5	25.1	

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DATE: 07 August 2019

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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 EACH ¼ WIDTH OF
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
Reach J: Commences at the approximate location of the Ameranda Hess Oil Terminal Wharf (in the approximate vicinity of opposite W.122 nd St in NYC), and continues to a point located approximately opposite the New York City Department of Sanitation Marine Transfer Station Barge Slip (in the approximate vicinity of opposite W.135 th St in NYC).	File 277, Pgs. 9-10 of 10; 18 Dec 2018-14 Feb 2019	750	0.57	30	15.1	18.8	21.6	23.8
Reach K: Commences at a point located approximately opposite the New York City Department of Sanitation Marine Transfer Station Barge Slip (in the approximate vicinity of opposite W.135 th St in NYC), and continues to approximately opposite W.156 th St in NYC.	File 277, Pg. 10 of 10; 18 Dec 2018-14 Feb 2019	750	0.97	30	18.7	20.8	22.5	25.0

REMARKS:

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

Hudson River Channel

Reach A:

- Sporadic shoaling exists throughout this reach. In addition, shoaling exists along the Left Outside Quarter within the beginning 8,500 feet of this reach.
- The controlling depth of -35.9 feet MLLW exists in the Left Outside Quarter at approximately 4,890 feet landward of the beginning of this reach.

Partial Reach B:

- Shoaling exists from the beginning of this reach across all four quarters before tapering to edge shoaling in the Left Outside Quarter.
- The controlling depth of -16.2 feet MLLW exists in the Left Outside Quarter at approximately 4,515 feet landward of the beginning of this reach.

Partial Reach C:

- Sporadic edge shoaling exists throughout this reach. Majority of the shoaling is along the Right Outside Quarter.
- The controlling depth of -19.0 feet MLLW exists in the Right Outside Quarter at approximately 6,140 feet seaward of the end of this reach.

Partial Reach D:

- Majority of shoaling exists in the Right Outside and Left Outside Quarters.
- The controlling depth of -27.6 feet MLLW exists in the Right Outside Quarter at approximately 790 feet landward of the beginning of this reach.

Reach E:

- Shoaling exists in the Left Outside Quarter for the entire length of this partial reach, and extends into the Left Inside Quarter.
- The controlling depth of -14.0 feet MLLW exists in the Left Outside Quarter at approximately 4,385 feet landward of the beginning of this reach.

Partial Reach F:

- Shoaling exists in the majority of the survey coverage.
- The controlling depth of -18.5 feet MLLW exists at approximately 1,955 feet seaward of the end of this reach.

Reach G:

- Shoaling exists along the channel's toe in the Left Outside Quarter for the entire length of this reach.
- The controlling depth of -14.5 feet MLLW exists in the Left Outside Quarter at approximately 160 feet landward of the beginning of this reach.

Reach H:

- Majority of shoaling exists in the second half of this reach in the Right Outside and Right Inside Quarters with sporadic shoaling throughout this reach.
- The controlling depth of -21.9 feet MLLW exists in the Left Outside Quarter at approximately 245 feet seaward of the end of this reach.

Reach I:

- Shoaling exists in the Left Outside and Left Inside Quarters, stretching across the entire channel width for the length of this reach.
- The controlling depth of -12.6 feet MLLW exists in the Left Outside Quarter at approximately 350 feet seaward of the end of this reach.

Reach J:

- Shoaling exists across the channel's entire width throughout the entire length of this partial reach.
- The controlling depth of -15.1 feet MLLW exists in the Left Outside Quarter approximately at the beginning of this reach.

Reach K:

- Shoaling exists across the channel's width and then begins to taper, with authorized project depth becoming available across the channel's entire width.
- The controlling depth of -18.7 feet MLLW exists in the Left Outside Quarter at approximately 340 feet landward of the beginning of this reach.