

**REPORT OF CHANNEL CONDITIONS  
(FOR CHANNELS 400 FEET WIDE OR GREATER)**

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DATE: 17 March 2023

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 at the junction with Anchorage Channel (adjacent to Governors Island) and continues to the approximate location of W.40 <sup>th</sup> St in NYC.   | File No. 5231/N1/N3; Pgs. 2-8 of 15.<br>22 Sept – 12 Dec 2022   | 2,000              | 4.42            | 45           | 35.4                              | 43.9                             | 42.9                              | 43.6                               |
| Reach B (New Jersey): Commences approximately 1,400 feet landward of the commencement of Reach A and continues to a point at the approximate location of W.40 <sup>th</sup> St in NYC.  | File No. 5231/N1/N3; Pgs. 2-8 of 15.<br>22 Sept – 12 Dec 2022   | 215 – 850          | 3.74            | 40           | 18.9                              | 26.0                             | 28.7                              | 31.8                               |
| Reach C (New York): Commences approximately 2,230 feet landward of the commencement of Reach A at the junction with the East River and continues to a point at the approximate location of W.40 <sup>th</sup> St in NYC.  | File No. 5231/N1/N3; Pgs. 2-8 of 15.<br>22 Sept – 12 Dec 2022   | 487 - 1,000        | 4.01            | 40           | 41.1                              | 38.6                             | 29.1                              | 12.0                               |
| Reach D (Center): Commences at the approximate location of W.40 <sup>th</sup> St in NYC, and continues to the approximate location of Pier No. 99 around W.59 <sup>th</sup> St.   | File No. 5231/N1/N3; Pgs. 8-9 of 15.<br>22 Sept – 12 Dec 2022   | 2,000              | 0.87            | 48           | 46.8                              | 51.2                             | 44.5                              | 25.1                               |
| Reach E (New Jersey): Commences at the approximate location of W.40 <sup>th</sup> St in NYC, and continues to a point at the approximate location of Pier No. 99 in NYC around W.59 <sup>th</sup> St.   | File No. 5231/N1/N3; Pgs. 8-9 of 15.<br>22 Sept – 12 Dec 2022   | 265 - 775          | 0.86            | 40           | 14.4                              | 32.2                             | 43.0                              | 45.4                               |
| Reach F (New York): Commences at the approximate location of W.40 <sup>th</sup> St in NYC, and continues to a point at the approximate location of Pier No. 99 in NYC around W.59 <sup>th</sup> St.   | File No. 5231/N1/N3; Pgs. 8-9 of 15.<br>22 Sept – 12 Dec 2022   | 50 - 317           | 0.85            | 40           | <b>80% OF CHANNEL WIDTH</b>       |                                  |                                   |                                    |
|   |   |                    |                 |              | 20.4                              |                                  |                                   |                                    |
| Reach G: Commences at the approximate location of Pier No. 99 in NYC around W.59 <sup>th</sup> St and continues to a point located approximately opposite W.75 <sup>th</sup> St in NYC.   | File No. 5231/N1/N3; Pgs. 9-10 of 15.<br>22 Sept – 12 Dec 2022  | 750                | 0.72            | 30           | 15.6                              | 31.6                             | 34.6                              | 37.0                               |
| Reach H: Commences at a point located approximately opposite W.75 <sup>th</sup> St in NYC and continues to a point located approximately 8,400 feet landward of the beginning of the reach (in the approximate vicinity of opposite W.107 <sup>th</sup> St in NYC). | File No. 5231/N1/N3; Pgs. 10-11 of 15.<br>22 Sept – 12 Dec 2022 | 750                | 1.38            | 30           | 21.8                              | 26.5                             | 27.8                              | 30.3                               |

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**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 <sup>nd</sup> 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 <sup>th</sup> St in NYC). | File No. 5231/N1/N3; Pgs. 12-13 of 15. 22 Sept – 12 Dec 2022  | 750                | 0.57            | 30           | 14.3                        | 17.4                       | 20.1                        | 23.1                         |
| 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 <sup>th</sup> St in NYC) and continues to approximately opposite W.156 <sup>th</sup> St in NYC.   | File No. 5231/N1/N3; Pg. 13 - 14 of 15. 22 Sept – 12 Dec 2022 | 750                | 0.97            | 30           | 15.9                        | 19.8                       | 22.0                        | 24.2                         |

**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 in the Left Outside Quarter at the beginning of this reach.
- The controlling depth of -35.4 feet MLLW exists in the Left Outside Quarter at approximately 2,935 feet landward of the start of the reach.

**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 -18.9 feet MLLW exists in the Left Outside Quarter at approximately 7,060 feet seaward of the end of this reach.

**Reach C:**

- Sporadic shoaling exists throughout this reach. Much of the shoaling exists along the Right Outside Quarter extending into the Right Inside Quarter of this reach.
- The controlling depth of -12.0 feet MLLW exists in the Right Outside Quarter at approximately 4,225 feet seaward of the end of this reach.

**Reach D:**

- Shoaling exists in the Right Outside and Left Outside Quarters at the beginning of this reach. Much of the shoaling exists in the Right Outside Quarter extending into the Right Inside Quarter of this reach.
- The controlling depth of -25.1 feet MLLW exists in the Right Outside Quarter at approximately 3,865 feet seaward of the end of this reach.

**Reach E:**

- Shoaling exists in the Left Outside Quarter for the entire length of this reach, and extends into the Left Inside Quarter.
- The controlling depth of -14.4 feet MLLW exists in the Left Outside Quarter at approximately 785 feet seaward of the end of this reach.

**Reach F:**

- Shoaling exists throughout much of this reach.
- The controlling depth of -20.4 feet MLLW exists at approximately 1,490 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 -15.6 feet MLLW exists in the Left Outside Quarter at approximately 165 feet landward of the beginning of this reach.

**Reach H:**

- Much of the shoaling exists in the second half of this reach, in the Left Outside and Left Inside Quarters with sporadic shoaling throughout this reach.
- The controlling depth of -21.8 feet MLLW exists in the Left Outside Quarter at approximately 325 feet seaward the end of this reach

**Reach I:**

- Shoaling exists channel wide throughout much of this reach.
- The controlling depth of -11.8 feet MLLW exists in the Left Outside Quarter at approximately 415 feet seaward of the end of this reach.

**Reach J:**

- Shoaling exists across the channel's entire width throughout the entire length of this reach.
- The controlling depth of -14.3 feet MLLW exists in the Left Outside Quarter approximately 1,005 feet landward of the start of this reach.

**Reach K:**

- Shoaling exists in approximately the beginning half of this reach 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 -15.9 feet MLLW exists in the Left Outside Quarter near the channel's toe approximately at the beginning of this reach.