

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-306)**

DATE: April 13, 2012

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, 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 A (Center): Commences approximately 2650 feet seaward of GREEN #35 w/ Light and continues to approximately opposite Pier No. 81 in NY, around W. 40 th Street	Map 267 p. 2-6 of 7; 04 OCT 11 thru 13 FEB 2012	2,000	4.67	45	36.8	44.1	44.9	43.0
Reach B (New Jersey): Commences at the entrance, approximately 1050 feet landward of GREEN #35 w/ Light, and continues to approximately opposite Pier No. 81 in NY, around W. 40 th Street	Map 267 p. 2-6 of 7; 04 OCT 11 thru 13 FEB 2012	250 - 850	4.13	40	24.9	28.1	30.0	33.1
Reach C (New York): Commences at the entrance, approximately 1650 feet landward of GREEN #35 w/ Light, (at the junction with the East River) and continues to approximately Pier No. 81 in NY, around W. 40 th Street	Map 267 p. 2-6 of 7; 04 OCT 11 thru 13 FEB 2012	500-1,000	3.92	40	40.9	37.2	30.2	12.4
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 267 p. 6-7 of 7; 04 OCT 11 thru 13 FEB 2012	2,000	0.84	48	48.2	50.9	44.1	26.7
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 267 p. 6-7 of 7; 04 OCT 11 thru 13 FEB 2012	250 - 750	0.84	40	14.7	32.6	36.1	45.3
Reach F (New York): 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 267 p. 6-7 of 7; 04 OCT 11 thru 13 FEB 2012	50 - 600	0.82	40	80% of Channel Width: 21.9			

REMARKS:

- All depths are in Mean Lower Low Water (MLLW).
- Coordinates Referencing Long Island Lambert System (NAD 1983)
- Channel Length in Nautical Miles

Reach A: There is minor shoaling in the left outside quarter, approximately 3,700 feet landward of the beginning of the reach and extending landward for approximately 6,500 feet. There are sporadic shoals in the left inside quarter, right inside quarter, and right outside quarter.

Reach B: The majority of Reach B has shoal across all or some of the quarters until approximately 11,000 feet landward of the beginning of the reach. From there, project depth is available in the left outside quarter at approximately 5,700 feet, the right inside quarter at approximately 6,700 feet, the left inside quarter at approximately 7,800 feet. The majority of the left outside quarter remains shoaled in throughout the entire reach.

Reach C: There is shoaling on the right outside quarter of the reach, approximately 3,500 feet landward of the beginning of the reach and extending landward to the end of the reach. The shoaling extends through to the right inside quarter at approximately 16,470 feet landward of the beginning of the reach. The shoaling extends into the left inside quarter at approximately 1,000 feet seaward of the end of the reach and extends to approximately $\frac{3}{4}$ of the width into the left inside quarter at the end of the reach.

Reach D: The majority of the right outside quarter of reach D is shoaled in with project depth available only within the first 600 feet of the right outside quarter. Minor shoaling extends approximately 300 feet across the right inside quarter, approximately 600 feet from the beginning of the reach through the end of the reach.

Reach E: There is shoaling in the majority of the left outside quarter, through the entire length of the reach. Shoaling extends into the left inside quarter approximately 1200 feet seaward of the end of the reach, and extends across the reach width at the end of the reach.

Reach F: The majority of the reach is shoaled in, with project depth available for approximately 300 feet at the beginning of the reach.