

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

PAGE 1 OF 1
DATE: June 11, 2008

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:
Newark Bay, Hackensack and Passaic Rivers – Main Channel, Newark Bay, New Jersey

**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 (n miles)	DEPTH (feet)				
Reach A: Main Channel South Reach: From the junction between Kill Van Kull and Newark Bay Main Channel to a point approximately 1,770 feet seaward (south) of RED #12.	Map 900 Pg 1 thru 3 of 5; 19, 24, 26, & 27 Sept; 1 thru 4 Oct; 27 Dec 2007; 2 thru 4, 17, 18, 22, 24, 28, & 29 Jan; 4, 6, 28, & 29 Feb; 4 Mar; 1 Apr 2008	1,000-1,825	1.32	45	44.7	46.7	46.2	43.9
Reach B: Main Channel Middle Reach: From a point approximately 1,770 feet seaward (south) of RED #12 to a point approximately 285 feet seaward (south) of RED #16.	Map 900 Pg 3 & 4 of 5; 19, 24, 26, & 27 Sept; 1 thru 4 Oct; 27 Dec 2007; 2 thru 4, 17, 18, 22, 24, 28, & 29 Jan; 4, 6, 28, & 29 Feb; 4 Mar; 1 Apr 2008	800-1,700	0.88	45	39.0	42.8	41.2	36.6
Reach B1: Main Channel Middle Reach: From a point approximately 285 feet seaward (south) of RED #16 to GREEN CAN #19A.	Map 900 Pg 4 & 5 of 5; 19, 24, 26, & 27 Sept; 1 thru 4 Oct; 27 Dec 2007; 2 thru 4, 17, 18, 22, 24, 28, & 29 Jan; 4, 6, 28, & 29 Feb; 4 Mar; 1 Apr 2008	560-800	0.53	40	34.5	37.7	34.7	28.8

REMARKS:

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

NEWARK BAY:

- **Reach A:** Shoaling exists in the Right Outside Quarter of the channel beginning approximately 300 feet landward (north) of RED LIGHTED #4 and extending landward (north) for an approximate length 1,000 feet. Its width encompasses approximately 75% of the width of the quarter. Very minor shoaling exists in the Left Outside Quarter of the channel located approximately 1,075 feet landward (north) of South Elizabeth Channel. It encompasses approximately 380 square feet adjacent to the toe of the channel.
- **Reach B:** Shoaling exists in the majority of the Right Outside Quarter of the channel in this reach. It begins approximately 500 feet landward (north) of the beginning of the reach and continues landward throughout the rest of the reach. Its width encompasses up to the entire width of the quarter. Shoaling exists in the Right Inside Quarter of the channel in this reach. It occupies approximately the last 925 feet of this reach and its width encompasses up to the entire width of the quarter. Shoaling exists in the Left Outside Quarter of the channel in this reach. It begins approximately 625 feet from the beginning of the reach and continues for approximately 1,300 feet landward. Its width occupies approximately 50% of the width of the quarter. Shoaling exists in the Left Outside Quarter of the channel in this reach beginning at the junction between Elizabeth Channel and the Main Channel and extending landward to approximately Channel Light #15. Its width encompasses the entire width of the quarter. Shoaling exists in the Left Outside Quarter of the channel in this reach beginning approximately 95 feet seaward (south) of the end of the reach. It extends landward to the end of the reach and its width encompasses approximately 40% of the width of the quarter.
- **Reach B1:** For approximately the first 1,100 feet of this reach, at the seaward end, shoaling exists throughout much of the entire channel width. The authorized depth is available only along a passageway having a width as narrow as approximately 50 feet and as wide as approximately 320 feet along the approximate center of the channel. Thence the shoaling continues in the majority of the right half of the channel throughout the remainder of the reach. The left half of the channel becomes shoal free for an approximate 2,000 foot length up to a point approximately 185 feet seaward from GREEN CAN #19A. Thence shoaling extends across the entire channel width at the end of this reach.