

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

PAGE 1 OF 1

DATE: 24 March 2014

TO: The Record

FROM: U.S. Army Corps of Engineers
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 New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE:

Newark Bay, Hackensack and Passaic Rivers, New Jersey – Port Newark & Pierhead Channel

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	PAGES & 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 D, Port Newark Branch Reach: From the approximate location of GREEN W/LIGHT #1 to approximately 750 feet landward of GREEN CAN #3.	Map #941, Sheet 2 of 4. 16-27 Dec 2013, 22 Jan 2014, 25 Feb 2014	400-930	0.29	40	24.1	34.1	33.6	30.7
Reach E, Port Newark Inshore Reach: From approximately 750 feet landward of GREEN CAN #3 to the End of the channel approximately 6565 feet landward.	Map #941, Sheets 2 through 4 of 4. 16-27 Dec 2013, 22 Jan 2014, 25 Feb 2014	400	1.06	40	33.5	34.6	30.5	30.4
NAME OF CHANNEL	PAGES & DATES OF SURVEY	AUTHORIZED PROJECT			LEFT QUARTER (feet)	MIDDLE HALF (feet)	RIGHT QUARTER (feet)	
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
Reach F, Port Newark Pierhead Reach: From the approximate location of RED NUN #4 to the approximate location of GREEN CAN #3.	Map #941, Sheets 1 & 2 of 4. 16-27 Dec 2013, 22 Jan 2014, 25 Feb 2014	300-750	0.65	40	30.3	30.0	26.9	

REMARKS:

- All depths are in reference to Mean Lower Low Water (MLLW).
- Channel Lengths are in nautical miles.

NEWARK BAY:

- **Reach D:**
 - Shoals fill the entire Left Outside Quarter, with the exception of a small section approximately 360 feet landward of GREEN CAN #3 where the project depth is available.
 - Shoals fill the Left Inside Quarter from the Start to approximately 130 feet landward of GREEN CAN #3.
 - Shoals fill the Right Inside Quarter from the Start to approximately 200 feet seaward of GREEN CAN #3.
 - Shoals fill the Right Outside quarter from the Start to approximately 300 feet landward of GREEN CAN #3.
- **Reach E:**
 - There is a shoal with a maximum width of 180 feet along the Right channel edge from the Start of the reach to approximately 2420 feet landward of the Start.
 - There is a shoal with a maximum width of 160 feet along the Left channel edge from the Start of the reach to approximately 1975 feet landward of the Start, after which survey data is not available in the Left Outside Quarter (LOQ).
 - Shoals exist throughout the Left Inside, Right Inside, and Right Outside Quarters from 3055 feet into the channel to the End of the channel.
- **Reach F:**
 - The majority of this reach is shoaled in.
 - Project depth is available in portions of the Middle Half and Left Outside Quarter at several locations.