

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

PAGE 1 OF 2

DATE: April 2, 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:
Newark Bay, Hackensack and Passaic Rivers – Port Newark and Port Newark
Pierhead Channels, 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 (nmiles)	DEPTH (feet)				
Reach D: Port Newark Branch Reach: From GREEN CAN #19A to a point approximately 700 feet landward of GREEN CAN #3.	Map 929 Pg 2 of 4: 27-29 Dec 2011, 30 Jan 2012.	400-1,775	0.37	40	25.7	36.6	34.7	28.8
Reach E: Port Newark Inshore Reach: From a point approximately 700 feet landward of GREEN CAN #3 to the END of Port.	Map 929 Pgs 3-4 of 4: 6-7-12-20 Dec 2011.	400	1.06	40	33.1	31.7	30.6	30.8

REMARKS:

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

NEWARK BAY:

○ **Reach D:**

Shoaling is present on either side of the channel beginning at the seaward end of the reach and proceeding landward along both sides of the channel. The unobstructed channel width is centered on the Left Inside Quarter approximately 1000 feet wide at the seaward end but narrows down to a 25 feet width at 500 feet landward from the beginning of the reach thence continues with a 50 feet or less width for approximately 500 feet landward. Widening gradually begins to reach an approximately 500 feet unobstructed channel width at the line of RED NUN 10.

○ **Reach E:**

There are three significant areas of shoaling in this reach.

1. The first area of shoaling commences at the start of the reach and extends for 2,400 feet along the right outside quarter and into the right inside quarter and 2,060 feet along the left outside quarter and into the left inside quarter. The channel is at its narrowest unshoaled width of 75 feet at 510 feet into the reach.
2. The second area of shoaling commences in both the left and right quarters of the reach approximately 740 feet landward of the channel bend. Channel wide shoaling occurs 1,700 feet landward of the bend for 1,200 feet.
3. A third area of shoaling spans the landward-most 1,200 feet of the reach, from the left outside quarter to the right outside quarter. All controlling depths occur within 30 feet of the landward end of the reach.

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-306)**

PAGE 2 OF 2

DATE: April 2, 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:
Newark Bay, Hackensack and Passaic Rivers – Port Newark and Port Newark Pierhead Channels, New Jersey

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM
SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
Reach F: Pt. Newark Pierhead Reach From RED NUN #4 to GREEN CAN #3.	Map 929 Pgs 1-2 of 4: 27-29 Dec 2011, 30 Jan 2012.	300- 750	0.65	40	31.1	30.7	27.8

REMARKS:

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

NEWARK BAY

○ **Reach F:**

Channel wide shoaling occurs along the entire length of Reach F with the exception of a small area abeam of Red Nun #6 at the seaward channel widening. This area is 125 feet wide and narrows landward to the north. Controlling depths are found approximately 300 feet south of Red Nun #10.