

REPORT OF CHANNEL CONDITIONS
100 to 400 FEET WIDE

PAGE 1 OF 1 PAGE

DATE: 01 MAR 2016

TO: The Record

FROM: U.S. Army Corps of Engineers
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RIVER/HARBOR NAME AND STATE:
Newark Bay, Hackensack and Passaic Rivers; Port Newark Pierhead Channel, NJ

**MINIMUM DEPTHS IN
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)	LEFT INSIDE QUARTER (feet)	
Partial Reach D - Port Newark Branch Reach: Survey coverage exists from a point approximately 250 feet seaward of GREEN #3 FLOOD, to a point approximately 815 feet landward of GREEN #3 FLOOD.	Map 962, Sheet 2 of 2; 18 Dec 2015	1,785-400	0.39	40	23.2	34.4	39.5	34.2
Partial Reach E - Port Newark Inshore Reach: Survey coverage exists from a point approximately 815 feet landward of GREEN #3 FLOOD, to a point approximately 1,160 feet landward of GREEN #3 FLOOD.	Map 962, Sheet 2 of 2; 18 Dec 2015	400	1.06	40	33.0	38.5	39.6	35.1
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 #4 FLOOD, to the approximate location of GREEN #3 FLOOD.	Map 962, Sheets 1 & 2 of 2; 18 Dec 2015	300-750	0.65	40	38.9	39.6	37.6	

REMARKS:

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.

NEWARK BAY:

- **Partial Reach D:**
 - The LOQ has shoaling from approximately 250 feet seaward of GREEN #3 FLOOD and covers the entire width and length of the quarter to approximately 265 feet landward of GREEN #3 FLOOD, for the portion covered by this survey.
 - The LIQ has shoaling from approximately 250 feet seaward of GREEN #3 FLOOD and covers an approximate 150 foot width to approximately 265 feet landward of GREEN #3 FLOOD, for the portion covered by this survey.
 - A spot shoal exists near the RIQ's inside boundary at a point approximately 560 feet landward of GREEN #3 FLOOD.
 - The ROQ has shoaling from approximately 250 feet seaward of GREEN #3 FLOOD and covers the entire width at its start, but tapers off towards the toe approximately 380 feet landward of GREEN #3 FLOOD.
- **Partial Reach E:**
 - The Left Outside Quarter (LOQ) has shoaling for the entire length and width of the quarter covered by this survey.
 - The Left Inside Quarter (LIQ) has shoaling approximately 50 feet in width for the entire length of the quarter covered by this survey.
 - The Right Inside Quarter (RIQ) has shoaling along its outside boundary, for approximately the last 90 feet covered by this survey.
 - The Right Outside Quarter (ROQ) has shoaling across the majority of its entire length and width covered by this survey.
- **Reach F:**
 - Project depth is available throughout the majority of this reach, however sporadic spot shoaling does exist throughout the reach as well.

