

**REPORT OF CHANNEL CONDITIONS
(FOR CHANNELS 400 FEET WIDE OR GREATER)**

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DATE 04 December 2018

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 & Passaic Rivers, N.J. – Main Channel and Port Elizabeth South Reaches

MINIMUM DEPTHS IN EACH ¼ WIDTH OF 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)	RIGHT INSIDE QUARTER (feet)	
MAIN CHANNEL and PORT ELIZABETH South Reach of Newark Bay, Hackensack & Passaic Rivers Navigation Channels Project								
Partial Reach A – Main Channel South: Survey coverage exists in the Left Outside Quarter and a portion of the Left Inside Quarter from approximately 650 feet seaward of GREEN CAN #1 EBB to approximately 1,610 feet landward of the same.	Map 1000, Pg 1 of 1; 14 & 15 November 2018	1,000 - 2,360	1.28	50	48.3	50.6*	no survey coverage	no survey coverage
Reach I – Port Elizabeth South Reach (East): From 2 bounding points approximately 260 feet and 370 feet seaward (east) of GREEN CAN #1 EBB, to a point approximately 1,270 feet landward (west) of the same.	Map 1000, Pg 1 of 1; 14 & 15 November 2018	515-500	0.26	50	49.4	49.6	49.5	49.6
Reach I1 – Port Elizabeth South Reach (West): From the end of Reach I at a point approximately 1,270 feet landward (west) of GREEN CAN #1 EBB, to the end of the port at a point approximately 2,285 feet landward of GREEN CAN #1 EBB.	Map 1000, Pg 1 of 1; 14 & 15 November 2018	500-100	0.17	45	42.5	42.6	42.7	43.2

REMARKS:

- All reported depths are relative to Mean Lower Low Water datum.
- Channel reach lengths are in nautical miles.
- *Survey coverage does not exist across the entire width of the Left Inside Quarter of the channel in Partial Reach A.

MAIN CHANNEL

Partial Reach A – Main Channel South:

- Shoaling exists intermittently along the channel toe of the Left Outside Quarter commencing approximately 975 feet landward (north) of GREEN CAN #1 EBB and continues approximately 400 feet landward.
- The controlling depth of -48.3 feet MLLW exists in the Left Outside Quarter approximately 1,265 feet landward (north) of GREEN CAN #1 EBB.

PORT ELIZABETH

Reach I – Port Elizabeth South Reach (East):

- Sporadic Shoaling exists in the Left Inside and Left Outside Quarters commencing approximately at the start of the reach and continues approximately 855 feet landward of GREEN CAN #1 EBB. Shoaling also exists intermittently across the width of the channel along the boundary between Reach I (authorized to -50' MLLW) and Reach I1 (authorized to -45' MLLW).
- The controlling depth of -49.4ft MLLW exists in the left Outside Quarter at approximately 520 feet landward of GREEN CAN #1 EBB.

Reach I1 – Port Elizabeth South Reach (West):

- Shoaling exists across much of the entire reach in all four quarters.
- The controlling depth of -42.5ft MLLW exists in the Left Outside Quarter approximately 365 feet seaward of the end of the reach.

