

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-306)	PAGE 1 OF 2 <hr/> DATE 24 October 2012
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TO: The Record	FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090
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RIVER/HARBOR NAME AND STATE: Raritan River, New Jersey	MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD
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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (n. miles)	DEPTH (feet)			
MAIN CHANNEL Reach A: Great Beds Reach From approximately 44 ft seaward of GREEN CAN #5 to approximately 90 ft seaward of GREEN CAN #3	File 520; Pages 2&3 of 11; 19, 20 June 2012 & 25, 26 July 2012	300-1,000	0.70	25	16.2	19.7	19.4
MAIN CHANNEL Reach B: South Amboy Reach From approximately 90 ft seaward of GREEN CAN #3 to New Jersey C.R.R. Bridge	File 520; Pages 3, 4 & 5 of 11; 19, 20 June 2012 & 25, 26 July 2012	300	1.16	25	16.9	19.7	15.8
MAIN CHANNEL Reach C: Sandy Point Reach From New Jersey C.R.R. Bridge to HWY 35 Victory Bridge	File 520; Pages 5&6 of 11; 19, 20 June 2012 & 25, 26 July 2012	300	0.92	25	21.8	20.9	24.8
MAIN CHANNEL Reach D: Keasby Reach From HWY 35 Victory Bridge to approximately 300 ft landward of GREEN CAN #13	File 520; Pages 6, 7 & 8 of 11; 19, 20 June 2012 & 25, 26 July 2012	300-650	1.13	25	6.2	10.4	19.1

REMARKS:

- All depths in Mean Lower Low Water (MLLW)
- Channel Length is in nautical miles

**RARITAN RIVER
MAIN CHANNEL**

- **Reach A:** Shoaling is present across a majority of the width of the reach except for a few scattered areas where project depth is available.
- **Reach B:** Shoaling is present across the entire width of the reach for approximately the first 5,700 ft of this reach except for an area approximately 380 ft by 130ft at the vicinity of JUNCTION R W/ LIGHT where project depth is available. Project depth is available for approximately the last 1,350 ft of this reach except along the channel edges and an area approximately 300 ft by 80 ft shoal seaward of the CRR Bridge abutment.
- **Reach C:** Project depth is available for the majority of the reach. A shoal exists along the landward end of the bridge abutment in the Middle half of the reach beginning approximately 210 ft landward of the start of the reach and extends landward approximately 245ft. Shoaling exists in the Left Outside Quarter of the reach beginning approximately 810 ft seaward of GREEN CAN #7 and extends to end of the reach at HWY 35 Victory Bridge. This shoal covers the majority of the width of the Left Outside Quarter.
- **Reach D:** Project depth is available in the majority of the middle half of the reach with shoaling in the right and left outside quarters. This continues until approximately GREEN CAN #11 where the entire channel width becomes shoaled in to the end of the reach.

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PAGE 2 OF 2

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26 Federal Plaza, ATTN: CENAN-OP-ST
New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE:
Raritan River, 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 (n. miles)	DEPTH (feet)			
MAIN CHANNEL Reach E: Red Root Reach From approximately 300 ft landward of GREEN CAN #13 to approximately 100 ft seaward of YELLOW BUOY "RUTGERS" W/LIGHT	File 520; Pages 8,9 & 10 of 11; 19, 20 June 2012 & 25, 26 July 2012	300	0.96	25	13.1	17.2	13.5
MAIN CHANNEL Reach F: Turning Basin From approximately 100 ft seaward of YELLOW BUOY "RUTGERS" W/LIGHT to approximately 1,045 ft landward of GREEN #25 W/LIGHT	File 520; Pages 10 of 11; 19, 20 June 2012 & 25, 26 July 2012	300 – 600	0.31	25	0.9	6.0	14.3
SOUTH CHANNEL Reach J From approximately 245 ft landward of GREEN CAN #13 to approximately 3,300 ft landward of GREEN CAN #13	File 520; Pages 8 & 11 of 11; 19, 20 June 2012 & 25, 26 July 2012	300-380	0.33	25	5.1	4.7	4.5
SOUTH CHANNEL Reach K From approximately 3,300 ft landward of GREEN CAN #13 to approximately 4,750 ft landward of GREEN CAN #13	File 520; Page 11 of 11; 19, 20 June 2012 & 25, 26 July 2012	300	0.24	25	7.6	3.0	2.3

REMARKS: All depths in Mean Lower Low Water (MLLW)

- Channel Length is in nautical miles

**RARITAN RIVER
MAIN CHANNEL**

- **Reach E:** Shoaling exists across the majority of the width of the reach except for a few scattered areas in the Right Outside Quarter where project depth is available.
- **Reach F:** The reach is mainly shoaled in except for a 150-250 foot wide strip covering parts of the Right Outside Quarter, the Middle Half and the Left Outside Quarter starting from approximately 270 feet landward of YELLOW BUOY "RUTGERS" W/LIGHT to approximately 85 ft seaward of the end of the reach.

SOUTH CHANNEL

- **Reach J:** Shoaling exists across the entire width of this reach.
- **Reach K:** Shoaling exists across the entire width of this reach.