

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-3165)**

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TO: Commander 90 (OAN), First Coast Guard District
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FROM: U.S. Army Corps of Engineers
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RIVER/HARBOR NAME AND STATE:
RARITAN RIVER, NJ

**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 (miles)	DEPTH (feet)			
<i>reach A.</i> Great Beds Reach, MAIN CH. MILE 0.0 TO MILE 0.74	JUNE 2002	1000* - 300	0.1* 0.74	25	24.9* 23.9	25.1* 25.3	20.0* 24.7
<i>reach B.</i> South Amboy Reach, MAIN CH, MILE 0.74 TO MILE 2.24	JUNE 2002	300	1.50	25	23.4	23.9	23.4
<i>reach C.</i> Sandy Point Reach MAIN CH, MILE 2.24 TO MILE 3.30	JUNE 2002	300	1.06	25	21.8	18.7	23.2
<i>reach D.</i> Keasby Reach, RARITAN R, MAIN CH, MILE 3.30 TO MILE 4.53	JUNE 2002	300	1.23	25	5.9	10.9	18.4
<i>reach E.</i> Red Root Reach RARITAN R, MAIN CH, MILE 4.53 TO MILE 6.00	JUNE 2002	300	1.47	25	13.0	16.5	12.9
RARITAN R, MAIN CH, Turning Basin (in Red Root Reach)	JUNE 2002	300	0.2	25	0.9	2.6	11.8
<i>reach J.</i> Reach to Buoy No. 4 RARITAN R. SOUTH CH.	JUNE 2002	300	0.65	25	3.6	1.4	1.0

REMARKS:

- All depths are in reference to Mean Low Water (MLW)
- Information with asterisk (*) is related to the widening at the east end of the channel as part of Great Beds Reach
- *Reach A:* Approx 700 ft long and 100 ft wide shoaling along the right edge in RO ¼ of the widening from its east end to RED BELL #2 FLOOD, also several smaller shoals spread across the whole ¼ in the widening. Shallow 20-30 ft wide shoals along both the left and right channel line in the entire rest of this reach ending at GREEN GAS *3
- *Reach B:* Shallow 30-60 ft wide, 300-600 ft long shoals along both the left and right channel line in the entire rest of this reach. Several shoals across the entire width of the middle half at the west end of this reach at NJ C.R.R. BRIDGE.
- *Reach C:* A 300 ft long shoal covers almost the whole width of RO ¼ and a 50 ft wide 150 ft long shoal in the middle of the Channel both starts approx 100 ft above the NJ C.R.R. BRIDGE. Shoal approx 3,000 ft long and max. 80 ft wide at the west end of LO ¼ ending at VICTORY BRIDGE.
- *Reach D:* Shoal approx 40x40 ft in the middle of the Channel 200 ft above VICTORY BRIDGE. Shoals along both the right and left starting 1,000 ft above Victory Bridge reaching max width of 60 ft in the RO 1/4 and 140 ft in the LO ¼. Around GREEN CAN. #11FLOOD shoaling widens and spreads across the channel in over the next 1,500 ft length. The final 700 ft of this reach is all shoaled
- *Reach E:* The entire reach shoaled up including the Turning Basin. The 25 ft project depth available only at a few small isolated Locations
- *Reach J:* The entire reach is shoaled.

