

**REPORT OF CHANNEL CONDITIONS  
400 FEET WIDE OR GREATER**

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DATE 10 August 2021

**TO:** The Record

**FROM:** U.S. Army Corps of Engineers  
26 Federal Plaza, ATTN: CENAN-OP-ST  
New York, New York 10278-0090

**RIVER/HARBOR NAME AND STATE:**  
New York and New Jersey Channels, Raritan Reaches, Lower New York Bay

**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)				
<b>Reach V – Raritan Reaches - East:</b> Widening at junction with Main Ship Channel.	File. No. 5077/D; Sheet 6 of 6; 14,17,22-24 June 2021	Irregular	Irregular	30	29.2			
<b>Reach S – Raritan Reaches - East:</b> From the junction with Main Ship Channel, at the approximate location of GREEN #1 W/LIGHT EBB to approximately 615 feet seaward of RED #14 W/ LIGHT EBB.	File. No. 5077/D; Sheets 3-6 of 6; 14,17,22-24 June 2021	600-825	3.9	35	30.6	36.2	38.5	32.4
<b>Reach R – Raritan Reaches - West:</b> From approximately 615 feet seaward of RED #14 W/ LIGHT EBB and ends at the approximate location of GREEN #27 W/LIGHT SLACK.	File. No. 5077/D; Sheets 1-3 of 6; 14,17,22-24 June 2021	600	2.5	35	30.2	38.9	38.8	29.2

**REMARKS:**

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

**NEW YORK and NEW JERSEY CHANNELS – RARITAN REACHES, LOWER NEW YORK BAY:**

- **Reach V (Irregular):**
  - Shoaling exists in the northern region of this reach.
  - The controlling depth of -29.2 feet MLLW exists along the northern toe of the channel approximately 795 to 1025 feet northeast of RED & GREEN JUNCTION "SP" EBB.
- **Reach S:**
  - Shoaling exists in the Left Outside Quarter and the Right Outside Quarter of this reach.
  - The controlling depth of -30.6 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 830 to 1150 feet landward of GREEN #1 W/ LIGHT EBB.
- **Reach R:**
  - Shoaling exists in the Left Outside Quarter and the Right Outside Quarter of this reach.
  - The controlling depth of -29.2 feet MLLW exists along the channel toe of the Right Outside Quarter approximately 115 feet landward of RED #18 W/LIGHT EBB.