

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER					PAGE 1 OF 1			
					DATE			
					29 October 2024			
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. 5493/D/N4 Sheet 8 of 8, 15-17, 21, 22 October 2024	Irregular	Irregular	35	28.6			
<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. 5493/D/N4 Sheets 4-8 of 8, 15-17, 21, 22 October 2024	600	2.5	35	34.7	35.8	37.0	34.6
<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 FLOOD.	File. No. 5493/D/N4 Sheets 2-4 of 8, 15-17, 21, 22 October 2024	600-825	3.9	35	35.0	37.8	36.6	34.9

**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 across the entirety of this reach.
  - The controlling depth of -28.6 feet MLLW exists along the northern toe of the channel approximately 620 feet northeast of RED/GREEN “SP” EBB.
- Reach S:**
  - Very minimal edge shoaling exists in the Left Outside Quarter and the Right Outside Quarter of this reach.
  - The controlling depth of -34.6 feet MLLW exists along the channel toe of the Right Outside Quarter approximately 1310 feet seaward of RED #14 W/LIGHT EBB.
- Reach R:**
  - Very minimal edge shoaling exists in the Left Outside Quarter and the Right Outside Quarter of this reach.
  - The controlling depth of -34.9 feet MLLW exists along the channel toe of the Left Outside Quarter from approximately 4277 feet seaward of GREEN #19 W/LIGHT FLOOD.