

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

DATE 03 July 2023

TO: The Record

FROM: U.S. Army Corps of Engineers
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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)				
Reach V – Raritan Reaches - East: Widening at junction with Main Ship Channel.	File. No. 5315/D; Sheet 8 of 8; 15, 20, 21, 22 June, 2023	Irregular	Irregular	35	29.1			
Reach S – Raritan Reaches - East: From the junction with Main Ship Channel, at the approximate location of GREEN #1 W/LIGHT EBB to approximately 670 feet seaward of RED #14 W/ LIGHT FLOOD.	File. No. 5315/D; Sheets 4-8 of 8; 15, 20, 21, 22 June, 2023	600	2.5	35	30.4	36.1	38.2	32.6
Reach R – Raritan Reaches - West: From approximately 670 feet seaward of RED #14 W/ LIGHT FLOOD and ends at the approximate location of GREEN #27 W/LIGHT EBB.	File. No. 5315/D; Sheets 2-4 of 8; 15, 20, 21, 22 June, 2023	600-825	3.9	35	30.4	38.8	39.0	29.3

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 -29.1 feet MLLW exists along the northern toe of the channel approximately 1100 feet northeast of RED & GREEN JUNCTION "SP" EBB.
- **Reach S:**
 - Edge shoaling exists in the Left Outside Quarter and the Right Outside Quarter of this reach.
 - The controlling depth of -30.4 feet MLLW exists along the channel toe of the Left Outside Quarter from approximately 1230 feet landward of GREEN #1 W/ LIGHT EBB.
- **Reach R:**
 - Edge shoaling exists in the Left Outside Quarter and the Right Outside Quarter of this reach.
 - The controlling depth of -29.3 feet MLLW exists along the channel toe of the Right Outside Quarter from approximately 300 feet landward of RED #18 W/ BELL EBB.