

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

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DATE 10 August 2022

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. 5188/N1/N4; Sheet 7 of 7; 29, 30 June, 7, 11-13 July 2022	Irregular	Irregular	30	29.4			
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. 5188/N1/N4; Sheets 3-7 of 7; 29, 30 June, 7, 11-13 July 2022	600-825	3.9	35	30.7	36.5	38.5	32.2
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. 5188/N1/N4; Sheets 1-3 of 7; 29, 30 June, 7, 11-13 July 2022	600	2.5	35	30.0	38.7	39.1	29.4

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):**
 - A large edge shoal exists in the middle of this reach along the channel toe.
 - The controlling depth of -29.4 feet MLLW exists along the northern toe of the channel approximately 310 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 -30.7 feet MLLW exists along the channel toe of the Left Outside Quarter from approximately 965 feet to 1175 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 -29.4 feet MLLW exists along the channel toe of the Right Outside Quarter from approximately 140 feet to 525 feet landward of RED #18 W/ BELL EBB.