

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER					PAGE 1 OF 1 PAGE			
					DATE			
					29 August 2019			
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)				
Reach V – Raritan Reaches - East: Widening at junction with Main Ship Channel.	Req. No. 4848/N2; Sheet 6 of 6; 21, 24-27 June 2019	Irregular	Irregular	30	29.9			
Reach S – Raritan Reaches - East: From the junction with Main Ship Channel, approximately 40 feet landward of GREEN #1 W/LIGHT EBB to approximately 620 feet seaward of RED #14 W/ LIGHT FLOOD.	Req. No. 4848/N2; Sheets 3-6 of 6; 21, 24-27 June 2019	600-825	3.9	35	31.4	37.4	38.5	32.5
Reach R – Raritan Reaches - West: From 620 feet seaward of RED #14 W/ LIGHT FLOOD to approximately 40 feet landward of GREEN #27 W/LIGHT FLOOD.	Req. No. 4848/N2; Sheets 1-3 of 6; 21, 24-27 June 2019	600	2.5	35	30.6	39.2	39.5	29.7

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):**
 - Minor edge shoaling exists in this reach.
 - The controlling depth of -29.9 feet MLLW exists along the northern toe of the channel approximately 1015 feet northeast of RED & GREEN JUNCTION "SP" W/ LIGHT & GONG FLOOD.
- **Reach S:**
 - Edge shoaling exists in the Left Outside Quarter and the Right Outside Quarter of this reach.
 - The controlling depth of -31.4 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 845 feet landward of GREEN #1 W/ LIGHT FLOOD.
- **Reach R:**
 - Edge shoaling exists in the Left Outside Quarter and the Right Outside Quarter of this reach.
 - The controlling depth of -29.7 feet MLLW exists along the channel toe of the Right Outside Quarter approximately 115 feet seaward of RED #18 W/ BELL EBB.