

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE					PAGE 1 OF 1 PAGE			
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 1397; Sheet 6 of 6; 27-29 June, 03, 05, 06 July 2017	Irregular	Irregular	35	30.0			
<b>Reach S – Raritan Reaches - East:</b> From the junction with Main Ship Channel, approximately 150 feet landward of GREEN LIGHT #1 EBB to approximately 660 feet seaward of RED LIGHT #14 EBB	File 1397; Sheets 3-6 of 6; 27-29 June, 03, 05, 06 July 2017	600-825	3.9	35	31.5	37.4	38.5	33.1
<b>Reach R – Raritan Reaches - West:</b> From approximately 660 feet seaward of RED LIGHT #14 EBB to approximately GREEN LIGHT #27 FLOOD	File 1397; Sheets 1-3 of 6; 27-29 June, 03, 05, 06 July 2017	600	2.5	35	31.0	39.9	39.8	30.7

**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):**
  - The entire reach is shoaled.
  - The controlling depth of -30.0 feet MLLW exists along the northern toe of the channel approximately 950 feet northeast of RED & GREEN JUNCTION "SP".
- Reach S:**
  - Shoaling exists along the channel toe of the Right Outside Quarter commencing at the seaward terminus of the reach and continuing landward approximately 1,740 feet, having a maximum width of approximately 100 feet.
  - Shoaling exists along the channel toe of the Left Outside Quarter commencing at the seaward terminus of the reach and continuing landward approximately 2,005 feet, having a maximum width of approximately 140 feet.
  - Sporadic shoaling exists along the channel toe of the Right Outside Quarter commencing approximately 200 feet landward of RED LIGHT #6, continuing landward to approximately the end of the reach, and having a maximum width of approximately 75 feet.
  - Sporadic shoaling exists along the channel toe of the Left Outside Quarter commencing approximately 190 feet landward of RED NUN #8 and continuing landward approximately 1,180 feet.
  - The controlling depth of -31.5 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 935 feet landward of GREEN LIGHT #1.
- Reach R:**
  - Shoaling exists along the channel toe of the Right Outside Quarter for the entire length of the reach, having a maximum width of approximately 85 feet.
  - Shoaling exists along the channel toe of the Left Outside Quarter commencing approximately 1,280 feet seaward of RED LIGHT #18 and continuing landward to approximately the end of the reach, having a maximum width of approximately 90 feet.
  - The controlling depth of -30.7 feet MLLW exists along the channel toe of the Right Outside Quarter approximately 130 feet landward of RED LIGHT #18.