

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER					PAGE 1 OF 1 PAGE			
					DATE			
					29 October 2018			
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	File 1405; Sheet 6 of 6; 19-21, 26-28 June, 10-11 July 2018	Irregular	Irregular	30	29.8			
Reach S – Raritan Reaches - East: From the junction with Main Ship Channel, approximately 150 feet landward of GREEN LIGHT #1 EBB to approximately 660 feet seaward of RED #14 W/ LIGHT EBB	File 1405; Sheets 3-6 of 6; 19-21, 26-28 June, 10-11 July 2018	600-825	3.9	35	31.1	37.1	38.3	32.6
Reach R – Raritan Reaches - West: From approximately 660 feet seaward of RED LIGHT #14 EBB to approximately GREEN LIGHT #27 FLOOD	File 1405; Sheets 1-3 of 6; 19-21, 26-28 June, 10-11 July 2018	600	2.5	35	30.7	39.2	39.4	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 -29.8 feet MLLW exists along the northern toe of the channel approximately 1,020 feet northeast of RED & GREEN JUNCTION "SP" W/ LIGHT & GONG FLOOD.
- Reach S:**
 - Shoaling exists along the channel toe of the Right Outside Quarter commencing from the beginning of the reach and continues until approximately 280 feet landward from RED & GREEN JUNCTION "SP" W/ LIGHT & GONG FLOOD, having a maximum width of approximately 125 feet.
 - Shoaling exists along the channel toe of the Left Outside Quarter commencing from the beginning of the reach and continues until approximately 1,695 feet seaward from RED NUN #4 FLOOD.
 - Shoaling exists along the channel toe of the Right Outside Quarter commencing approximately 90 feet landward of RED #6 W/ LIGHT and continues to approximately 2,065 feet seaward from RED #10 W/ LIGHT.
 - Shoaling exists along the channel toe of the Right Outside Quarter at approximately 95 feet landward from RED #14 W/ LIGHT FLOOD and continues landward until the end of the reach, having a maximum width of approximately 70 feet.
 - Minor shoaling exists along the channel toe of the Left Outside Quarter and the Right Outside Quarter.
 - The controlling depth of -31.1 feet MLLW exists along the channel toe of the Left Outside Quarter approximately 815 feet landward of GREEN LIGHT #1 W/ LIGHT FLOOD.
- Reach R:**
 - Shoaling exists along the channel toe of the Right Outside Quarter commencing from the beginning of the reach and continues until the end of the reach, having a maximum width of approximately 90 feet.
 - Shoaling exists along the channel toe of the Left Outside Quarter commencing at approximately 1,685 feet landward from RED NUN 16 EBB and continues until approximately 110 feet seaward from GREEN LIGHT #27 FLOOD, having a maximum width of 75 feet.
 - The controlling depth of -29.7 feet MLLW exists along the channel toe of the Right Outside Quarter approximately 790 feet seaward of RED LIGHT #18 EBB.

