

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-306)**

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DATE 28 May 2013

TO: The Record

FROM: U.S. Army Corps of Engineers
26 Federal Plaza, ATTN: CENAN-OP-ST
New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE:
New York and New Jersey Channels
Raritan Bay East Reach, 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 Q – Seguine Point Bend Reach (Partial): From approximately 500 feet landward of RED LIGHT #30 W/ BELL to GREEN #27 W/LIGHT	File 1355; Sheets 1 of 6; 15-18, 24, 25, 29, 30 APR 2013	600 - 900	0.45	35	34.2	42.8	38.2	26.3
Reach R – Raritan Bay West Reach: From GREEN #27 W/LIGHT to RED #14 W/LIGHT & BELL	File 1355; Sheets 1-3 of 6; 15-18, 24, 25, 29, 30 APR 2013	600	2.42	35	31.3	39.9	40.5	31.5
Reach S – Raritan Bay East Reach: From RED #14 W/LIGHT & BELL to junction with Main Ship Channel (Chapel Hill Channel), approximately GREEN LIGHT #1	File 1355; Sheets 3-6 of 6; 15-18, 24, 25, 29, 30 APR 2013	600 - 800	4.06	35	32.9	39.1	37.9	33.6

REMARKS:

- All depths in Mean Lower Low Water (project originally authorized to Mean Low Water).
- Channel Length is in nautical miles

NEW YORK and NEW JERSEY CHANNELS – RARITAN BAY REACH EAST, LOWER NEW YORK BAY:

- **Reach Q (Partial):** Shoaling exists in the Right Outside Quarter commencing approximately 500 feet landward of RED #30 W/LIGHT & BELL and continues seaward until approximately RED NUN #28.
- **Reach R:** Shoaling exists along the toe line of the Right Outside Quarter commencing on RED #26 W/LIGHT & BELL and continuing seaward. The shoaling increases in width at the Right Outside quarter starting at RED #18 W/ BELL reaching its greatest width of 70 feet. Shoaling commences in the Left Outside Quarter seaward of GREEN #27 W/LIGHT and continues seaward ending approximately 1800 feet landward of RED NUN 16 reaching its greatest width at approximately 90 feet.
- **Reach S:** Shoaling exists in the Right Outside Quarter at approximately RED #14 W/LIGHT & BELL and continues seaward ending at RED NUN #12. Scattered minor shoaling also exists on the Right Outside Quarter starting at approximately 2400 feet seaward of RED #10 W/ LIGHT & BELL to the end of the reach. Shoaling commences along the channel toe line of the Left Outside Quarter from approximately 1700 feet landward of GREEN LIGHT #1 continuing seaward for the remainder of the reach.