

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE**

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DATE: 15 October 2018

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:

Cheesequake Creek, New Jersey

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM
SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
Reach A: Commence from approximately 895 feet seaward of the DAY MARKER #4 to approximately 25 feet landward of DAY MARKER #4.	Map 44 Page 2 of 2 22 June 2018	100	0.13	5	3.4	3.6	4.2
Reach B: Commence from 25 feet landward of DAY MARKER #4 to the NJ State Highway 35 Bridge.	Map 44 Page 1, 2 of 2 22 June 2018	100	0.18	5	0.2	2.8	4.6
						80% OF CHANNEL WIDTH (feet)	
Reach C: From the NJ State Highway 35 Bridge to the C.R.R. of NJ Bridge.	Map 44 Page 1 of 2 22 June 2018	35-95	0.09	5		5.0	

REMARKS:

- All depths are in reference to Mean Lower Low Water (MLLW)
- Channel length is in nautical miles

CHEESEQUAKE CREEK:

- **Reach A:** Shoaling exists at approximately 360 feet landward from the start of the reach and continues until the end of the reach, extending the entire width of the channel. The controlling depth of -3.4 feet MLLW exists in the Left Outside Quarter at approximately 580 feet landward from the start of the reach.
- **Reach B:** Shoaling extends across the entire width of the channel commencing at the start of the reach for approximately 130 feet landward and then tapers into the Left Outside Quarter for approximately 330 feet landward. The shoal then extends into the Middle Half for approximately 260 feet before tapering back into the Left Outside Quarter. The controlling depth of -0.2 feet MLLW exists in the Left Outside Quarter at approximately 650 feet landward of DAY MARKER #5.
- **Reach C:** A small edge shoal exists along the channel toe at approximately 215 feet landward of the NJ State Highway 35 Bridge and continues for approximately 120 feet, with a maximum width of approximately 10 feet. The controlling depth of -5.0 feet MLLW exists in the Middle 80% at approximately 220 feet landward from the NJ State Highway 35 Bridge.