

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-306)					PAGE 1 OF 2		DATE 14 August 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: Keyport Harbor and Matawan 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)				
KEYPORT HARBOR								
Reach A: Commences approximately 210 feet seaward of GREEN CAN #3 in Raritan Bay, to the first bend in the channel at approximately GREEN CAN #7 and RED NUN #8 w/ LIGHT	Map 85; Pg 1&2 of 5; 15, 16 and 21 March 2013 and 15,17 July 2013	200	0.54	8	7.6	7.6	7.3	
Reach B: Commences at the first bend in the channel, at approximately GREEN CAN #7 and RED NUN #8 w/ LIGHT, and continues to the end of the Keyport Harbor Channel, at approximately RED NUN #12	Map 85; Pg 2 of 5; 15, 16 and 21 March 2013 and 15,17 July 2013	200 – 100	0.32	8	5.4	6.0	5.8	
MATAWAN CREEK								
Reach A: Commences from the end of Keyport Harbor channel, at approximately RED NUN #12, and continues approximately 3235 feet to approximately the center of Amboy Ave – Front Street Bridge	Map 85; Pgs 2-4 of 5; 15, 16 and 21 March 2013 and 15,17 July 2013	100 – 40	0.53	4	4.5	5.0	4.8	
Channel Less than 100 Feet Wide					LEFT OUTSIDE 10% (feet)	MIDDLE 80% (feet)	RIGHT OUTSIDE 10% (feet)	
Reach B: Commences from approximately the center of the Amboy Ave – Front Street Bridge, and continues to approximately the center of the Route 35 Bridge	Map 85; Pg 4 of 5; 15, 16 and 21 March 2013 and 15,17 July 2013	75	0.25	4	5.3	2.6	2.5	
Reach C: Commences from approximately the center of the Route 35 Bridge and continues approximately 1100 feet landward	Map 85; Pg 4 of 5; 15, 16 and 21 March 2013 and 15,17 July 2013	75	0.18	4	+2.1	1.5	5.1	
Reach D: Commences from approximately 1100 feet landward of the Route 35 Bridge and continues to the head of the project at the New York and Long Branch Railroad Bridge	Map 85; Pgs 4&5 of 5; 15, 16 and 21 March 2013 and 15,17 July 2013	75	0.75	4	+1.9	+2.8	+3.1	

REMARKS:

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

KEYPORT HARBOR

- **Reach A:** Shoaling exists across the width of the reach beginning approximately 360 feet seaward of GREEN CAN #7 and continues to the end of the reach.
- **Reach B:** The entire reach is shoaled in.

MATAWAN CREEK

- **Reach A:** There are no shoals in this reach.
- **Reach B:** There is a shoal approximately 430 feet in length extending across the Right Outside 10% and 60 feet in the Middle 80%, beginning approximately 350 feet landward of the Amboy Ave – Front Street Bridge.
- **Reach C:** Beginning approximately 425 feet landward of the Route 35 Bridge, shoaling starts in the Left Outside 10% and continues to expand in width until the entire channel is shoaled in, approximately 900 feet landward of the Route 35 Bridge. Thence, the width of the reach is shoaled in to the end of the reach, with the exception of a small portion of the channel approximately 100 feet in length in the Middle 80% where channel depth is available
- **Reach D:** At the start of the reach, project depth is available in the Middle 80% of the channel for approximately 425 feet. Thence, the entire width of the reach is shoaled in with the exception of small spots where channel depth is available.