

**REPORT OF CHANNEL CONDITIONS
LESS THAN 100 FEET WIDE
(ER 1130-2-520)**

DATE: **September 10, 2015**

TO: NAVIGATION INTEREST	FROM:
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RIVER/HARBOR NAME AND STATE: Essex River, Essex, Massachusetts Dwg. No. ESS-124, Sheets 1-10 of 10, Dated 10 September 2015	MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD
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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			DEPTH AVAILABLE
		WIDTH (feet)	LENGTH (nautical miles)	MLLW DEPTH (feet)	
<u>CONDITION SURVEY</u>					
<u>4-Foot Channel</u>					
From about 900' seaward of Bull Island upstream 840' (about 125' seaward of Buoy "C")	7/15	60	.14	4.0	+3.7
Thence upstream 740' to Buoy "D"	7/15	60	.12	4.0	+0.8
Thence upstream 540' to Buoy "E"	7/15	60	.09	4.0	0.6
Thence upstream 980' to Buoy "F"	7/15	60	.16	4.0	0.3
Thence upstream 1,010' to Buoy "H"	7/15	60	.17	4.0	1.4
Thence upstream 290'	7/15	60	.05	4.0	4.0
Thence upstream 900' (about 270' upstream of Buoy "J")	7/15	60	.15	4.0	1.7
Thence upstream 1,000'	7/15	60	.16	4.0	+1.1
Thence upstream 1,060'	7/15	60	.17	4.0	(1) 0.2

GENERAL NOTE: The information shown on this sheet(s) represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

FOOT NOTES:

(1). Except for shoaling to +0.5' within 10' of northwest limit.

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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			DEPTH AVAILABLE
		WIDTH (feet)	LENGTH (nautical miles)	MLLW DEPTH (feet)	
<u>CONDITION SURVEY</u>					
<u>4-Foot Channel</u>					
Thence upstream 300'	7/15	60	.05	4.0	(2) 4.0
Thence upstream 1,440'	7/15	60	.24	4.0	+1.2
Thence upstream 1,400'	7/15	60	.23	4.0	+1.3
Thence upstream 700'	7/15	60	.12	4.0	(3) +5.0
Thence upstream 300'	7/15	60	.05	4.0	(4) 4.0
Thence upstream 1,030' to upstream end of Federal Navigation Project	7/15	60	.17	4.0	(5) +1.5

GENERAL NOTE: The information shown on this sheet(s) represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

FOOT NOTES:

- (2). Except for shoaling to 2.0' within 10' of northwest limit.
- (3). Encroachment by floats of Essex River House Motel and private docks at east limit.
- (4). Except for shoaling to 2.6' within 10' of north limit and to 3.1' within 5' of south limit.
- (5). Encroachment by numerous floats and piles along east and west limits.