

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-520)**

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DATE: **October 19, 2016**

TO: NAVIGATION INTEREST

FROM:

RIVER/HARBOR NAME AND STATE: **Saugus River, Saugus, Lynn and Revere, MA**
Dwg. No. SAU-8, Sheets 1-7 of 7, Dated 19 October 2016

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 (nautical miles) | MLLW DEPTH (feet) | | | |
| <u>CONDITION SURVEY</u> | | | | | | | |
| <u>8-Foot Channel</u> | | | | | | | |
| From Lat. 42-25-09.03, Long. 70-57-23.48 upstream about 2,075' (about 1,045' seaward of Buoy FL RN-2) | 7-9/16 | 150 | .34 | 8.0 | 8.0 | 8.0 | 8.0 |
| Thence upstream 3,040' to Buoy GC-3 | 7-9/16 | 150 | .50 | 8.0 | 6.2 | 6.2 | 5.9 |
| Thence upstream 4,040' to about 280' upstream of Buoy GC-7 | 7-9/16 | 150 to 175 | .66 | 8.0 | +2.8 | +0.3 | 7.2 |
| Thence upstream 1,950' to approximate seaward face of the General Edwards Bridge | 7-9/16 | 175 to 150 to 96 | .32 | 8.0 | 8.0 | 8.0 | (1) 8.0 |
| Thence upstream 2,600' to about 370' upstream face of the Railroad Bridge | 7-9/16 | 96 to 150 to 125 to 100 to 40 to 100 | .43 | 8.0 | (2) 6.7 | (3) 7.3 | (4) 7.7 |
| Thence upstream 1,910' to approximate seaward face of the Salem Turnpike - Route 107 Bridge | 7-9/16 | 100 to 50 to 100 to 35 | .31 | 8.0 | (5) 8.0 | 8.0 | (6) 8.0 |
| Thence upstream 2,200' to end of the 8-Foot Channel | 7-9/16 | 35 to 80 to 60 | .36 | 8.0 | (7) 7.7 | (8) 8.0 | (9) 6.4 |

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 7.7' along limit located about 5' to 110' upstream of Buoy RN-10.
- (2). Encroachment of two piles and added fender located under the Railroad Bridge.
- (3). Isolated shoal located about 370' upstream face of General Edwards Bridge; 8.0' available elsewhere.
- (4). Except for shoaling to 7.0' within 5' of limit.
- (5). Except for shoaling to 6.9' within 5' of limit; encroachment of extended fender located at the Salem Turnpike Route 107 Bridge.
- (6). Except for shoaling to 7.0' within 5' of limit; encroachment of one pile and extended fender located at the Salem Turnpike Route 107 Bridge.
- (7). Except for shoaling to 6.1' within the last 200' reach of the channel; encroachment of floats of the Fox Hill Yacht Club.
- (8). Except for shoaling to 6.5' within the last 150' reach of the channel.
- (9). Except for shoaling to 5.0' within the last 150' reach of the channel.

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|--|----------------|--------------------|-------------------------|-------------------|-----------------------------|-----------------------|------------------------------|
| | | WIDTH (feet) | LENGTH (nautical miles) | MLLW DEPTH (feet) | | | |
| <u>CONDITION SURVEY</u> | | | | | | | |
| <u>6-Foot Channel</u> | | | | | | | |
| Thence upstream 700' to the upstream end of the Federal Navigation Project | 7-9/16 | 60 | .12 | 6.0 | | 1.4 | |
| <u>6-Foot South Anchorage</u> | 7-9/16 | 2.51 acres | | 6.0 | | (10) 3.1 available | |
| <u>6-Foot North Anchorage</u> | 7-9/16 | 1.78 acres | | 6.0 | | (11) 3.3 available | |

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:

(10). Except for shoaling to 1.5' within 20' along east limit.

(11). Except for shoaling to 1.8' within 150' of eastern most section of limit.