

**U.S. ARMY ENGINEER DISTRICT, NEW ENGLAND
CORPS OF ENGINEERS
696 Virginia Road
Concord, Massachusetts 01742-2751**

Mar. 27, 2008

CENAE-EP-DS (11-2-240a)

MEMORANDUM FOR: See Distribution

SUBJECT: Results of Survey

1. In accordance with department regulations there is enclosed a drawing showing results of survey in the following Federal project:

Saugus River – Saugus & Lynn, MA

2. Controlling depth information for the above project is shown on the enclosed copy of navigation and chart data.

FOR THE COMMANDER:

Stephen A. Johnston
STEPHEN A. JOHNSTON
for Chief, Survey Section

2 Enclosures:

1. ENG Form 4020-R
2. Dwg. No. SR-7

DISTRIBUTION:

JOHNSTON
PROOFREAD

MTM

GENERAL

Chief Operations Division, Lyn Preston, Nautical Data Branch/NOAA, N/C26, Station 7350
1315 East-West Highway, Silver Springs, MD 20910-3282 - 1 copy of drawing, 1 copy of form

USCG Cutter Willow, LT JG Chmielecki - NETC Pier 2 – ATTN: Desiree Atnip, Newport,
RI 02841 – 1 copy of drawing, 1 copy of form

Capt. E. Howard McVay Jr. - Northeast Marine Pilots Incorporated, 243 Spring Street,
Newport, RI 02840 – 1 copy of drawing,

MASSACHUSETTS

(The following address receive information for all project in MASS.)

Director - Martha King - DCR Waterways 349 Lincoln St. Building # 45
Hingham, MA 02043 1 copy of drawing, 1 copy of form
(Rename Kevin Mooney By: Moe Mar. 04 2008)

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)**

DATE: Mar. 27, 2008

T0: FROM: U.S. Army Corps of Engineers
New England District
696 Virginia Road
Concord, MA. 01742-2751

RIVER/HARBOR NAME AND STATE: Saugus River, Saugus & Lynn, MA
Dwg. No. SR-7, Sheet(s) 1-6 of 6, Dated 27 March 2008

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. 42-25-09.15790 and Long. 70-57-23.47816 for about 2,250' (about 850' Seaward of Buoy FI RN-2)	8/06	150	0.37	8.0	8.0	8.0	8.0
Thence upstream 4,100' (about 670' downstream of Buoy GC-5)	8/06	150 to 265 to 150	0.67	8.0	7.9	7.6	7.5 ⁽¹⁾
Thence upstream 2,650' (about 120' upstream of Buoy GC-7)	8/06	150 to 220 to 175	0.44	8.0	6.8 ⁽²⁾	7.9	8.0
Thence upstream 2,050' to approximate seaward face of General Edwards Bridge	8/06	175 to 150 to 96	0.34	8.0	8.0	8.0	8.0
Thence upstream 4,500' to approximate upstream face of Salem Turnpike-Route 107	8/06	100 to 150 to 125 to 100 to 40 to 100	0.74	8.0	7.8 ⁽³⁾	8.0	8.0
Thence upstream 2,250' to end of 8' Federal Channel	8/06	35 to 80	0.37	8.0	8.0 ⁽⁴⁾	8.0 ⁽⁵⁾	6.3

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 6.8' within 10' of the east channel limit.
- (2). Except for shoaling to 3.3' within 10' of west channel limit.
- (3). Isolated shoaling about 1,000' seaward of Railroad Bridge with shoaling to 7.3' within 10' of west channel limit; 8.0' available elsewhere.
- (4). Except for shoaling to 7.6' within 5' of west channel limit and shoaling to 7.4' in the last 70' of the reach.
- (5). Except for shoaling to 7.3' in last 80' of channel.

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		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)			
<u>CONDITION SURVEY</u> <u>6-Foot Channel</u> From end of 8-foot channel for about 700' to end of Federal Project	8/06	60	0.12	6.0	4.0	2.9	1.8
<u>6-Foot South Anchorage</u>	8/06	90 to 95	2.51 acres	6.0		(6) 5.5	
<u>6-Foot North Anchorage</u>	8/06	100	1.78 acres	6.0		(7) 4.7	

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FOOT NOTES:

- (6). Except for shoaling to 3.2' within 25' of the east anchorage limit.
- (7). Except for shoaling to 3.9' within 150' of eastern most section of anchorage.