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10:00 am*

JAN 31 2005
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U.S. ARMY ENGINEER DISTRICT, NEW ENGLAND
CORPS OF ENGINEERS
696 Virginia Road
Concord, Massachusetts 01742-2751

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:

Fall River Harbor, MA

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

FOR THE COMMANDER:

2 Enclosures
1. ENG Form 4020-R
2. Dwg. No. FR-282

STEPHEN A. JOHNSTON
Chief, Survey Section

JOHNSTON
PROOFREAD

DISTRIBUTION:

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 District 1(oan), 408 Atlantic Avenue, Boston, MA 02210-3350 - 4 copies of drawing, 4
copies of form

NOAA Ship WHITING, Atlantic Marine Center, 439 West York Street, Norfolk, VA 23510 - 1
copy of drawing, 1 copy of form

USCG Cutter Willow, NETC Pier 2 - ATTN: Desiree Atnip, Newport, RI 02841 - 1 copy of

drawing, 1 copy of form

Mr. Robert Duncan, 76 Upland Road, Concord, MA 01742 - 1 copy of drawing, 1 copy of form
(No longer, Return to Sender Feb. 18, 2004)

MASSACHUSETTS

Director, DEM Waterways, 349 Lincoln Street, Building 45, Hingham, MA 02043 – 1 copy of drawing, 1 copy of form

Commanding Officer, USCG WHITE HEATH (WLM-545), 427 Commercial Street, Boston, MA 02109-1027 - 1 copy of drawing, 1 copy of form
NO LONGER (1 ST. APR. 2002 BY LISA GREENLAW)

FALL RIVER HARBOR & NEW BEDFORD HARBOR

Northeast Marine Pilots, Incorporated 243 Spring Street, Newport, RI 02840 – 1 copy drawing

**REPORT ON CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-316)**

DATE: **JAN 31 2005**

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

RIVER/HARBOR NAME AND STATE: Fall River Harbor, MA
Dwg. No. FR-282, Sheets 1-9 of 9, Dated 25 January 2005

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
CONDITION SURVEY								
<u>Tiverton Channel</u>								
From Buoy FI RG Bell MH in Mount Hope Bay upstream about 5,000' to junction of North and South Branch Channels (about 850' upstream of Buoy FI R Bell-4)	4/04 5/04 6/04	400 to 800	.82	35.0	35.0	35.0	34.1	35.0 ⁽¹⁾
<u>South Branch</u>								
Thence from junction upstream 5,140' to upstream end of South Branch Tiverton Channel	4/04 5/04 6/04	800 to 1,400 to 500 to 650 to 400	.85	35.0	28.6 ⁽²⁾	30.3	31.5	33.0
<u>North Branch</u>								
Thence from junction upstream about 7,760' to upstream end of North Branch Tiverton Channel	4/04 5/04 6/04	800 to 600 to 400	1.3	35.0	20.7	33.2 ⁽³⁾	33.1 ⁽⁴⁾	32.0 ⁽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:

- (1). Except for isolated shoaling to 34.9' within 10' of east limit about 200' upstream of FI R Bell-4.
- (2). Except for shoaling to 23.7' within 20' along east channel limit from about 1,900' to 2,300' upstream of Buoy RN-2.
- (3). Except for shoaling to 26.5' within the last 70' of upstream limit of channel.
- (4). Except for shoaling to 30.1' within the last 20' of upstream limit of channel.
- (5). Except for shoaling to 31.5' within 20' along east channel limit vicinity of Buoy RN-4 and 29.4' within the last 30' of upstream limit of channel.

REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-316)

DATE: **JAN 31 2005**

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

RIVER/HARBOR NAME AND STATE: **Fall River Harbor, MA**
Dwg. No. **FR-282, Sheets 1-9 of 9, Dated 25 January 2005**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD			
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)	LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
						LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
CONDITION SURVEY Main Ship Channel								
From Buoy FI RG Bell MH in Mount Hope Bay upstream about 9,650' to Buoy RN-6	4/04 5/04 6/04	400	1.59	35.0	(6) 35.0	35.0	35.0	(7) 34.8
Thence upstream about 4,040' to Buoy GC-7	4/04 5/04 6/04	400	.66	35.0	(8) 33.7	35.0	35.0	(9) 32.6
Thence upstream about 7,600' to Buoy FI G-13	4/04 5/04 6/04	400	1.25	35.0	(10) 30.4	33.8	34.5	(11) 32.4
Thence upstream about 4,780' to Buoy GC-15	4/04 5/04 6/04	400	.79	35.0	(12) 31.3	35.0	35.0	(13) 33.7
Thence upstream about 5,965' (about 480' upstream of Buoy RN-18)	4/04 5/04 6/04	400 to 500 to 830 to 455 to 400	.98	35.0	(14) 22.9	24.6	34.0	(15) 35.0
Thence upstream about 1,265' about 1,840' seaward of Buoy RN-20 (vicinity of Brightman Street Bridge)	4/04 5/04 6/04	400 to 90 to 400	.21	35.0	32.2	35.0	35.0	34.9
Thence upstream about 3,200' to Turning Basin (about 1,260' upstream of Buoy GC-21)	4/04 5/04 6/04	400	.53	35.0	(16) 35.0	(16) 35.0	(16) 35.0	(16) 35.0

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:

- (6). Except for shoaling to 33.7' within 10' along west channel limit.
- (7). Except for shoaling to 33.1' within 10' along east channel limit.
- (8). Except for shoaling to 32.0' within 10' along west channel limit.
- (9). Except for shoaling to 30.8' within 10' along east channel limit.
- (10). Except for shoaling to 27.4' within 10' along west channel limit.
- (11). Except for shoaling to 30.0' within 10' along east channel limit.
- (12). Except for shoaling to 27.8' within 10' along west channel limit.
- (13). Except for shoaling to 32.4' within 10' along east channel limit.
- (14). Except for shoaling to 22.6' within 10' along west channel limit.
- (15). Except for shoaling to 34.5' within 30' along east channel limit from about 0' to 350' upstream of Buoy GC-15.
- (16). Ongoing bridge construction located 1,325' upstream of Brightman Street Bridge; many barges located throughout the 35-Foot Federal Channel & Turning Basin at the time of survey.