

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

Jan. 11, 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:

Lynn Harbor – Lynn and Nahant, 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  
Chief, Survey Section

2 Enclosures:

1. ENG Form 4020-R (Revised 11 January 2008)
2. Dwg. No. 198 (Revised 11 January 2008)

DISTRIBUTION:

JOHNSTON   
PROOFREAD

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,

Kevin J. Blount Chief, Waterways Management & Marine Information Section – First Coast  
Guard District 1 (oan) - 408 Atlantic Ave. Boston, MA 02110 – 3350  
1 copy of drawing, 1 copy of form

## MASSACHUSETTS

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

Director - Kevin P. Mooney - DCR Waterways 349 Lincoln St. Building # 45  
Hingham, MA 02043 1 copy of drawing, 1 copy of form

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

PAGE 1 OF 1 PAGES

DATE: 11 January 2008

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

**RIVER/HARBOR NAME AND STATE: Lynn Harbor, Lynn and Nahant, MA  
Dwg. No. 198, Sheets 1-3 of 3, Dated 18 July 2007 (Revised 11 Jan. 2008)**

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)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
<b><u>CONDITION SURVEY</u></b> <b><u>22-Foot Channel</u></b>							
From Buoy FI R Bell-2 upstream about 1,545'	10/07	300	.25	22.0	18.1	18.3	(1) 17.5
Thence upstream about 2,908' (about 735' seaward of Blacks Rocks Light)	05-06/06	300	.48	22.0	(2) 13.5	18.1	(3) 16.2
Thence upstream 1,470' to Buoy FI RN-10	05-06/06	300	.24	22.0	(4) 7.5	16.5	18.8
Thence upstream 2,650' to Buoy RN-12	05-06/06	300	.44	22.0	(5) 20.1	17.8	(6) 16.3
Thence upstream 1,845' to Buoy GC-13	05-06/06	300	.30	22.0	(7) 18.9	17.0	(8) 11.3
Thence upstream 2,720' (about 220' seaward of Buoy FI GC-17)	05-06/06	300	.45	22.0	(9) 17.0	19.4	(10) 19.0
<b><u>22-Foot Turning Basin</u></b>	05-06/06	550x1400	17.1 acres	22.0		(11) 13.1 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:**

- (1). Except for shoaling to 17.1' within 20' along east channel limit.
- (2). Except for shoaling to 9.0' within 30' along west channel limit from about 20' to about 42' upstream of Buoy RN-6.
- (3). Except for shoaling to 14.4' within 25' along east channel limit.
- (4). Except for shoaling to 0.7' within 30' along west channel limit from about 650' to about 1,470' seaward of Buoy FI RN-10.
- (5). Except for shoaling to 17.6' within 20' along west channel limit from about 0' to about 250' upstream of Buoy FI RN-10.
- (6). Except for shoaling to 15.2' within 20' along east channel limit from about 0' to about 500' seaward of Buoy RN-12.
- (7). Except for shoaling to 14.2' within 25' along west channel limit.
- (8). Except for shoaling to 5.4' within 20' along east channel limit.
- (9). Except for shoaling to 13.2' within 25' along west channel limit from about 0' to about 1,700' upstream of Buoy GC-13.
- (10). Except for shoaling to 16.3' within 25' along east channel limit.
- (11). Except for shoaling to 12.0' within 25' radius of northwest corner of turning basin, and encroachment by floats in the vicinity of Seaport Landing Marina.