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

Mailed 8.45 am
OCT 04 2005

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:

New Bedford Harbor – New Bedford and Fairhaven, 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. NB 350

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

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

Kevin J. Blount Chief, Waterways Management & Marine Information Section – First Coast Guard District 1 (oan) – Atlantic Avenue Boston, MA 02210-3350

MASSACHUSETTS

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

FALL RIVER HARBOR & NEW BEDFORD HARBOR

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

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

DATE: OCT 0 3 2005

TO:

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

RIVER/HARBOR NAME AND STATE: New Bedford Harbor, New Bedford and Fairhaven, MA, Dwg. No. NB 350, Sheets 1-5 of 5, Dated 30 September 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)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
CONDITION SURVEY							
30-Foot Channel							
Entrance Channel Reach							
From about 40' seaward of Buoy Fl R-6 upstream about 6,815' to Buoy Fl G-9	04/04	350	1.12	30.0	29.9	30.0	30.0
Thence upstream about 5,895'	04/04	350	.97	30.0	(1) 27.9	29.3	29.1
Fort Phoenix Reach							
Thence upstream about 8,515' (about 165' upstream of Buoy GC-17)	04/04	350	1.40	30.0	(2) 26.0	28.5	(3) 29.0
Hurricane Gate Barrier							
Thence upstream about 1,345' (about 1,700' seaward of Buoy Fl G-3)	04/04	350 to 150 to 350	.22	30.0	29.2	30.0	28.9
New Bedford Reach							
Thence upstream about 3,710' (about 1,700' seaward of Buoy Fl G-3)	04/04	350	.61	30.0	(4) 28.9	27.8	27.6
Thence upstream about 1,010'	04/04	350 to 415	.17	30.0	27.5	27.0	(5) 25.0

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:
(1). Except for shoaling to 27.6' within 10' along west channel limit.
(2). Except for shoaling to 24.0' within 20' along west channel limit from about 0' to 3,800' upstream of Buoy Fl G-11.
(3). Except for scattered shoaling to 27.1' within 30' of west channel limit from about 0' to 2,100' upstream of Buoy RN-12.
(4). Except for shoaling to 27.1' within 20' along west channel limit from about 350' to 1,500' seaward of Buoy Fl G-3.
(5). Except for shoaling to 24.3' within 20' along east channel limit.

NOAA Chart 13230

REPORT (CHANNEL CONDITIONS
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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)
CONDITION SURVEY							
30-Foot Channel							
New Bedford and Fairhaven Bridge							
From about 1,360' upstream of Buoy Fl R-8	04/04	415 to 250 to 350	.22	30.0	(6) 26.5	27.6	(7) 25.8
30-Foot Maneuvering Area							
From about 470' upstream of New Bedford and Fairhaven Bridge to about 930' and near north and west side of Fish Island	04/04	15.1 acres		30.0		(8) 27.1	
New Bedford maneuvering area west of entrance channel	04/04	61.3 acres		30.0		25.0	
25-Foot Anchorage							
Fairhaven anchorage area east of entrance channel	04/04	32.2 acres		25.0		(9) 24.2	

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:
(6). Except for shoaling to 24.6' in the vicinity of southwest dolphin.
(7). Encroachment by floats adjacent to the Pope Island.
(8). Except for shoaling to 25.9' within 20' of west maneuvering limit; except for shoaling to 26.9' within 60' of limit adjacent to the northwest side of Fish Island.
(9). Except for shoaling to 23.9' in the vicinity of Buoy RN-4.

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		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)	LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
CONDITION SURVEY							
15-Foot Channel							
From about 930' seaward of Buoy RN-4 upstream about 2,760' (adjacent to the Old South Wharf)	04/04	Varies 400 to 95	.45	15.0	(10) 15.0	(11) 14.0	(12) 10.5
10-Foot Channel							
From the Old South Wharf upstream about 920' to end of channel limit	04/04	150	.15	10.0	7.4	(13) 9.9	10.0

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:
(10). Except for shoaling to 12.3' in the vicinity of Old South Wharf.
(11). Except for shoaling to 13.0' in the vicinity of Old South Wharf.
(12). Shoaling is located from about 575' seaward to 350' upstream of Buoy RN-4.
(13). Except for shoaling to 8.9' at end of channel limit.

NOAA Chart 13230