

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

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

Dec. 14, 2007

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:

Providence River and Harbor - Providence, RI

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
2. Dwg. No. Pe. 483


W. Johnston
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 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

RHODE ISLAND

Mr. Dan Goulet – Coastal Resources Management Council – Oliver H. Stedman Government
Center – 4808 Tower Hill Road, Suite 3 Wakefield, RI 02879-1900 – 1 copy of drawing,

1 copy of form

Commanding Officer – USCG Marine Safety Office, Providence – 20 Risho Avenue, East
Providence, RI 02914-1215 – 1 copy of drawing, 1 copy of form

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

DATE: Dec. 14, 2007

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

RIVER/HARBOR NAME AND STATE: Providence River and Harbor, Providence, RI.
Dwg. No. Pe. 483, Sheets 1-16 of 16, Dated 12 December 2007

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<u>AFTER DREDGE/ CONDITION SURVEY</u>								
<u>40-Foot Entrance Channel</u>								
From about 170' seaward of Buoy FI G-25 upstream about 33,440' to Buoy FI R Bell-10	02-10/07	600 to 1,740 to 600 to 800 to 600 to 870	5.5	40.0	40.0 ⁽¹⁾	40.0	40.0	40.0 ⁽²⁾
<u>Rumstick Neck Reach</u>								
Thence upstream about 13,660' to about 215' upstream of the Conimicut Point Light	02-10/07	870 to 600 to 680	2.3	40.0	40.0	40.0	40.0	40.0
<u>Conimicut Point Reach</u>								
Thence upstream about 6,300' to Buoy FI G-19	02-10/07	680 to 600 to 950	1.0	40.0	40.0	40.0	40.0	40.0
<u>Bullock Point Reach</u>								
Thence upstream about 12,890' to Buoy FI G-29	02-10/07	950 to 600 to 910	2.1	40.0	40.0 ⁽³⁾	40.0	40.0	40.0

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 39.7' from 100' to 230' seaward of Buoy FI G-5 and shoaling to 38.5' within 50' along west channel limit.
- (2). Except for shoaling to 39.7' within 10' along east channel limit.
- (3). Except for shoaling to 39.4' within 50' along west channel limit from about 0' to 1,300' upstream of Buoy FI G-25.

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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<u>AFTER DREDGE/</u> <u>CONDITION SURVEY</u> <u>Sabin Point Reach</u> Thence upstream about 6,580' to Buoy FI G-37	02-10/07	910 to 600 to 760 to 650 to 700	1.1	40.0	(4) 39.2	40.0	40.0	(5) 39.0
 <u>Fuller Rock Reach</u> Thence upstream about 5,640' to Fuller Rocks Light	02-10/07	700 to 990 to 890	0.9	40.0	38.5	40.0	39.7	(6) 39.0
 <u>Fox Point Reach</u> Thence upstream about 8,985' to the end of the Federal Navigation Project	02-10/07	890 to 1,690 to 700	1.5	40.0	(7) 39.3	(8) 39.4	(9) 39.5	(10) 24.8

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:

- (4). Except for shoaling to 38.1' within 20' along west channel limit from about 550' seaward to about 1,350' upstream of Buoy FI G-35.
- (5). Except for shoaling to 37.5' within 15' along east channel limit from about 0' to 925' upstream of Buoy FI R-30; except for shoaling to 38.5' within 200' radius of Buoy FI R-34.
- (6). Except for shoaling to 37.1' within 10' along east channel limit from about 0' to 3,000' seaward of Fuller Rocks Light.
- (7). Except for shoaling to 38.5' within 15' along west channel limit about 1,160' upstream of Fuller Rocks Light; except for shoaling to 34.4' within 100' along west channel limit from about 75' to about 250' seaward of southeast corner of Promet Corporation Pier.
- (8). Except for shoaling to 27.7' from about 0' to about 390' seaward of upstream end of the Federal Navigation Project.
- (9). Except for shoaling to 27.4' from about 0' to about 400' seaward of upstream end of the Federal Navigation Project.
- (10). Shoaling to 24.8' located from the Fuller Rocks Light to approximately 550' upstream; 30.1' available elsewhere; except for shoaling to 25.4' from about 0' to about 400' seaward of upstream end of the Federal Navigation Project.