

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

*Mailed  
10:00 a.m.*

June 6, 2007 ✓

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:

Cocheco River - Dover, NH

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. 2643



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

**NEW HAMPSHIRE**

Director, New Hampshire Port Authority, 555 Market Street, Portsmouth, NH  
03801 - 1 copy of drawing, 1 copy of form No longer (Returned to sender May 03, 2006)

**REPORT OF CHANNEL CONDITIONS  
FOR CHANNELS LESS THAN 100 FEET WIDE  
(ER 1130-2-316)**

DATE: June 6, 2007

TO:

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

RIVER/HARBOR NAME AND STATE: Cocheco River, Dover, NH  
Dwg. No. 2643, Sheets 1-11 of 11, Dated 6 June 2007

MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			DEPTH AVAILABLE
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)	
<b><u>CONDITION SURVEY</u></b>					
<b><u>7-Foot Channel</u></b>					
From about 191' upstream of Buoy GC-5 in the Piscataqua River upstream about 1,052' to Buoy RN-4	4/07	75	.17	7.0	4.4
Thence upstream about 2,014' to Buoy RN-6	4/07	75 to 100 to 75	.33	7.0	(1) 4.6
Thence upstream about 2,008' to Buoy RN-8	4/07	75	.33	7.0	(2) 3.9
Thence upstream about 2,281' to Buoy RN-10	4/07	75 to 105 to 75	.38	7.0	(3) 1.9
Thence upstream about 1,445' (beginning of Lower Narrows)	4/07	75 to 65 to 50 to 40	.24	7.0	(4) 4.9
<b><u>AFTER DREDGE SURVEY</u></b>					
<b><u>7-Foot Channel (Maintained to 6-Foot)</u></b>					
Starting at Lower Narrows upstream 2,280' (adjacent to gas pipeline)	4/07	40 to 45 to 60	.38	7.0	(5) 5.5

**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 3.9' within 10' of west channel limit about 355' seaward of Buoy GC-7.
- (2). Except for shoaling to 2.8' within 15' along north channel limit from about 30' upstream to about 250' seaward of Buoy RN-6A.
- (3). Except for shoaling to 0.7' within 15' along north channel limit from about 310' to about 430' seaward of Buoy RN-10.
- (4). Except for shoaling to 3.0' within 15' along north channel limit from about 0' to 260' upstream of Buoy RN-10;  
Except for shoaling to 3.5' within 10' along north channel limit from about 970' to about 1,000' upstream of Buoy RN-12.
- (5). Except for shoaling to 5.0' within 10' along north channel limit.

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PAGE 2 OF 2 PAGES

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<b><u>AFTER DREDGE SURVEY</u></b>					
<b><u>7-Foot Channel (Maintained to 6-Feet)</u></b>					
Thence upstream about 1,438' (280' seaward of overhead power cable)	4/07	60	.24	7.0	4.8
Thence upstream about 1,140' (adjacent to ledge outcrop at Upper Narrows)	4/07	60 to 30	.19	7.0	6.0 <sup>(6)</sup>
Thence upstream about 520'	4/07	30 to 60	.09	7.0	5.3
<b><u>CONDITION SURVEY</u></b>					
<b><u>7-Foot Channel</u></b>					
Thence upstream about 372' to the upstream end of the Federal Navigation Project (in the vicinity of George's Marina)	4/07	60	.06	7.0	6.0

**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 5.5' within 10' along south channel limit.