

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

**Oct. 08, 2009**

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:

Woods Hole Channel (The Strait), Branch And Broadway Channels – Woods Hole, MA

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

FOR THE COMMANDER:

*Maum T Mway*  
STEPHEN A. JOHNSTON  
*fr* Chief, Survey Section

2 Enclosures:

1. ENG Form 4020-R
2. Dwg. No. WH-154

JOHNSTON  
PROOFREAD

*MTM*

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,

MASSACHUSETTS

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

Director of Waterways, Martha C. King – Department of Conservation and Recreation  
345 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)**

DATE: **October 8, 2009**

|     |  |
|-----|--|
| TO: | FROM: <b>U.S. Army Corps of Engineers<br/>New England District<br/>696 Virginia Road<br/>Concord, MA. 01742-2751</b> |
|-----|--|

|   |  |
|---|--|
| RIVER/HARBOR NAME AND STATE: Woods Hole Channels, Woods Hole, MA<br>Dwg. No. WH 154, Sheet 1 of 1, Dated 8 October 2009 | MINIMUM DEPTHS IN<br>CHANNEL ENTERING FROM SEAWARD |
|---|--|

| NAME OF CHANNEL   | DATE OF SURVEY | AUTHORIZED PROJECT |                         |                   | LEFT OUTSIDE QUARTER (feet) | MIDDLE HALF (feet) | RIGHT OUTSIDE QUARTER (feet) |
|---|----------------|--------------------|-------------------------|-------------------|-----------------------------|--------------------|------------------------------|
|   |                | WIDTH (feet)       | LENGTH Nautical (miles) | MLLW DEPTH (feet) |                             |                    |                              |
| <b><u>CONDITION SURVEY</u></b>  |                |                    |                         |                   |                             |                    |                              |
| <b><u>13-Foot The Strait Channel</u></b>  |                |                    |                         |                   |                             |                    |                              |
| From about 1,500' seaward of Buoy RN-6 upstream 4,180' to Buoy GC-1                             | 07-08/07       | 300                | .69                     | 13.0              | 13.0                        | (1)<br>11.4        | (2)<br>13.0                  |
| <b><u>13-Foot Broadway Channel</u></b>  |                |                    |                         |                   |                             |                    |                              |
| From confluence, with "The Strait Channel" upstream 1,045' (about 40' upstream of Buoy RN-2)    | 07-08/07       | 300                | .17                     | 13.0              | 11.6                        | 12.0               | 12.6                         |
| <b><u>13-Foot Branch Channel</u></b>  |                |                    |                         |                   |                             |                    |                              |
| From about 370' seaward of Buoy FI R-10 upstream 1,550' to confluence with "The Strait Channel" | 07-08/07       | 300                | .26                     | 13.0              | 11.1                        | 13.0               | 13.0                         |

**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). Isolated shoal located about 335' upstream of Buoy RN-6; 13.0' available elsewhere.
- (2). First isolated shoal of 12.9' within 10' of limit about 200' seaward of Buoy GC-7 and second isolated shoal of 12.7' within 10' of limit about 20' seaward of Buoy GC-1.