

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

Aug. 04, 2006

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:

Buttermilk Bay – Bourne and Wareham, 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
2. Dwg. No. CCC 1217

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 02110-3349 - 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) - 408 Atlantic Ave. Boston, MA 02110 – 3349
1 copy of drawing, 1 copy of form

JOHNSTON
PROOFREAD



MASSACHUSETTS

Director, DEM Waterways, 349 Lincoln Street, 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: August 04, 2006

TO:

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

RIVER/HARBOR NAME AND STATE: Buttermilk Bay, Bourne and Wareham, MA
Dwg. No. CCC 1217, Sheets 1-2 of 2, Dated 3 August 2006

MINIMUM DEPTHS IN
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)			
<u>CONDITION SURVEY</u>							
<u>7-Foot Channel</u>							
From about 135' seaward of Buoy GC-1 upstream about 980' (80' upstream from Buoy GC-3)	03/04	100	.16	7.0	7.0	7.0	7.0
Thence upstream about 982' (80' upstream from Buoy GC-5)	03/04	100	.16	7.0	6.7	0.3	0.1
Thence upstream about 2,043' to start of 6' channel	03/04	100	.34	7.0	6.3	6.4	6.9
<u>6-Foot Channel</u>							
Thence upstream about 2,520' to upstream end of Federal Navigation Project	03/04	100 to 80	.41	6.0	(1) 6.0	6.0	(2) 5.7

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 5.9' about 55' seaward from the upstream end of Federal Navigation Project.
- (2) Except for shoaling to 4.3' about 60' seaward from the upstream end of Federal Navigation Project.