

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

Nov. 03, 2008

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:

Chatham (Stage) Harbor – Chatham, 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. CM-131


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,

MASSACHUSETTS

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

Director - Martha King - DCR Waterways 349 Lincoln St. Building # 45
Hingham, MA 02043 1 copy of drawing, 1 copy of form
(Rename Kevin Mooney By: Moe Mar. 04 2008)

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

DATE: November 5, 2008

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

RIVER/HARBOR NAME AND STATE: Chatham (Stage) Harbor, MA
Dwg. No. CM-131, Sheets 1-3 of 3, Dated 3 November 2008

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>AFTER DREDGE SURVEY</u> <u>10-Foot Channel</u>							
From about 160' seaward of Buoy RN-2 upstream about 2,680' to Buoy FI R-8	8/08	150	0.44	10.0	(1) 7.9	8.8	(2) 6.6
Thence upstream about 2,820' to Buoy GC-11	8/08	150	0.46	10.0	(3) 8.2	9.6	(4) 4.5
Thence upstream about 1,620' to upstream end of Federal Navigation Project (about 50' upstream of Buoy GC-13)	8/08	150	0.27	10.0	10.0	10.0	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:

- (1). Except for shoaling to 7.3' within 10' along channel limit from about 40' to about 110' upstream of Buoy GC-5.
- (2). Shoaling is located at the vicinity of Buoy FI R-8; 7.5' available elsewhere.
- (3). Except for shoaling to 7.8' within 10' along channel limit from about 25' to about 75' seaward of Buoy GC-1.
- (4). Except for shoaling to 2.3' within 10' of channel limit from about 800' to 1,100' upstream of Buoy FI R-8 due to erosion from Harding Beach Point bank.