

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

*Sent out
11.45 am*

APR 08 2005
✓

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:

Gloucester Harbor, Gloucester, MA

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

FOR THE COMMANDER:

2 Enclosures
1. ENG Form 4020-R
2. Dwg. No. 325

STEPHEN A. JOHNSTON
Chief, Survey Section


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 District 1(oan), 408 Atlantic Avenue, Boston, MA 02210-3350 - 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

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: APR 08 2005

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

RIVER/HARBOR NAME AND STATE: Gloucester Harbor, Gloucester, MA
Dwg. No. 325, Sheets 1-2 of 2, Dated 30 March 2005

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)	LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
<u>CONDITION SURVEY</u>							
<u>20-Foot Entrance Channel</u>							
From about 1,245' seaward of Buoy FI G-11 to about 350' upstream of Buoy FI R&G GH at the confluence of the North and South Channels	10/04	300 to 570	.64	20.0	19.1	20.0 ⁽¹⁾	19.4 ⁽²⁾
<u>20-Foot North Channel</u>							
From about 730' seaward of Buoy RN-2 upstream 1,415' (about 225' upstream of Buoy RN-4)	10/04	225 to 200	.23	20.0	18.2	17.8 ⁽³⁾	17.0 ⁽⁴⁾
Thence upstream 1,005' to limit of Federal Project	10/04	200 to 285 to 250	.17	20.0	16.1 ⁽⁵⁾	16.4	16.8 ⁽⁶⁾
<u>20-Foot South Channel</u>							
From about 745' seaward of Buoy GC-3 upstream about 1,895'	10/04	200	.31	20.0	16.9	18.4	18.5
Thence upstream 545' to limit of Federal Project	10/04	200 to 320 to 220	.09	20.0	17.6	17.9	17.1

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 19.1' located about 300' to 350' upstream of Buoy FI R&G GH; Previously reported shoal of 17.0' no longer exists.
- (2). Isolated shoal located about 1,100' to 1,150' seaward of Buoy FI G-11; 20.0' available elsewhere.
- (3). Isolated shoal located about 50' to 75' seaward of Buoy RN-4; 18.3' available elsewhere.
- (4). Isolated shoal located about 200' to 225' upstream of Buoy RN-4; 18.1' available elsewhere.
- (5). Except shoaling to 14.0' within the last 50' of the channel limit.
- (6). Isolated shoal located about 300' to 350' seaward of the end of channel limit, 17.9' available elsewhere, and except for shoaling to 17.3' within 10' along the south channel limit.

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RIVER/HARBOR NAME AND STATE: Gloucester Harbor, Gloucester, MA
Dwg. No. 325, Sheets 1-2 of 2, Dated 30 March 2005

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>18-Foot Harbor Cove Channel</u>							
From about 45' seaward of Buoy FI G-11 upstream 2,385'	10/04	0 to 485 to 240	.39	18.0	16.8	16.1	15.5
Thence upstream 250' to limit of Federal Project	10/04	100	.04	18.0		13.0' Available	
<u>16-Foot Smith Cove Channel</u>							
From about 25' seaward of Buoy RN-2S upstream 855' to limit of Federal Project	10/04	680 to 345 460 to 0	.14	16.0	14.7 ⁽⁷⁾	12.4	9.8
<u>16-Foot Inner Harbor Anchorage</u>							
From about 350' upstream of Buoy FI R R&G GH upstream about 570'	10/04		7.14 acres	16.0		13.9' Available	
<u>15-Foot Anchorage</u>							
From about 185' seaward of Buoy GC-13 upstream about 780'	10/04		4.90 acres	15.0		13.5' Available	

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:

(7). Except for shoaling to 13.7' within 65' at southeast corner near channel limit.