

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

Mar. 24, 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:

Mystic River – Mystic, CT

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

FOR THE COMMANDER:

for *Stephen A. Johnston*
STEPHEN A. JOHNSTON
Chief, Survey Section

2 Enclosures:

1. ENG Form 4020-R
2. Dwg. No. MC-407

DISTRIBUTION:

JOHNSTON
PROOFREAD

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

CONNECTICUT (The following address receive information for all CT Project)

Joseph R. Salvatore
Dredging Project Coordinator
Bureau of Aviation & Ports – Maritime Office
2800 Berlin Turnpike
P.O. Box 317546
Newington, CT 06131-7546
Email: Joseph.salvatore@po.state.ct.us

1 drawing of map

Mr. Dave Rossiter
Bureau of Aviation & Ports
Office of Waterways State Pier
CT Department of Transportation
New London, CT 06320

1 drawing of map

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

PAGE 1 OF 2 PAGES

DATE: 24 March 2008

TO:

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

RIVER/HARBOR NAME AND STATE: Mystic River, Mystic, CT
Dwg. No. MC-407, Sheets 1-6 of 6, Dated 24 March 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>CONDITION SURVEY</u>							
<u>15-Foot Channel</u>							
From about 25' seaward of Buoy RN-6 upstream 1,485' (about 105' upstream of Buoy RN-12)	9/06	125	.24	15.0	11.1	10.0	(1) 9.3
Thence upstream about 3,960' to Buoy RN-20	9/06	125	.65	15.0	(2) 13.0	11.8	(3) 10.9
Thence upstream 1,175' (about 50' upstream of Buoy RN-22)	9/06	125	.19	15.0	(4) 13.7	12.0	11.3
Thence upstream 4,840' (about 70' seaward of Buoy RN-30)	9/06	125	.80	15.0	15.0	(5) 14.2	(6) 14.3
Thence upstream 1,940' (about 35' upstream of Buoy GC-35)	9/06	125	.32	15.0	13.0	13.0	(7) 12.2
Thence upstream 1,296' (about 630' upstream of the RR Swing Bridge)	9/06	125 to 200 to 100	.21	15.0	(8) 11.8	12.8	13.4
Thence upstream 1,750' (about 35' upstream of Route 1 Bridge)	9/06	100 to 70	.29	15.0	(9) 13.2	13.6	(10) 12.4

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 8.9' within 10' along east channel limit located within a 300' range of Buoy RN-6.
- (2). Except for shoaling to 12.7' within 10' along west channel limit.
- (3). Except for shoaling to 10.6' within 10' along east channel limit.
- (4). Except for shoaling to 13.1' within 10' along west channel limit.
- (5). Isolated shoaling located about 100' seaward of Buoy GC-29; 15.0' available in remainder of reach.
- (6). Except for shoaling to 13.3' within 10' along east channel limit.
- (7). Except for shoaling to 12.0' along east channel limit.
- (8). Except for shoaling to 10.7' within 5' along west channel limit; line of piles adjacent along west channel limit located in the vicinity of Carija & Son Boat Works.
- (9). Except for shoaling to 12.8' within 10' along west channel limit, and shoaling to 12.2' under the Route 1 Bridge.
- (10). Line of piles adjacent along east channel limit located in the vicinity of Seaport Marine.

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

DATE: 24 March 2008

TO:

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

RIVER/HARBOR NAME AND STATE: Mystic River, Mystic, CT

Dwg. No. MC-407, Sheets 1-6 of 6, Dated 24 March 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>CONDITION SURVEY</u>							
<u>12-Foot Channel</u>							
Thence upstream 2,140' (about 50' seaward of Buoy GC-43)	9/06	70 to 100	.35	12.0	(11) 11.2	(12) 10.2	(13) 9.4
Thence upstream 940' (vicinity of Mystic Seaport)	9/06	100 to 80 to 140 to 100	.15	12.0	11.3	10.6	9.8
Thence upstream 1,366' to end of Federal Channel Limit (about 50' upstream of Buoy GC-53)	9/06	100	.22	12.0	(14) 7.8	(15) 8.3	(16) 9.4
<u>9-Foot Anchorage</u>							
Adjacent to the east limit of the 15' channel about 380' seaward of Buoy GC-31 to about 50' upstream of Buoy GC-33	9/06		7.8 acres	9.0		(17) 6.1	
<u>9-Foot Turning Basin</u>							
About 200' upstream of the RR Swing Bridge on east side of channel	9/06		0.7 acre	9.0		(18) 8.9	

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:

- (11). Except for shoaling to 10.7' within 5' along west channel limit located within a 120' range of Buoy GC-41.
- (12). No soundings reported on all quarters from about 125' seaward to about 100' upstream of Buoy GC-39 due to Barges in area at time of survey.
- (13). Except for shoaling to 8.3' within 10' along east channel limit from about 650' to 850' seaward of Buoy RN-38.
- (14). Except for shoaling to 7.3' within 5' along west channel limit, and shoaling to 5.7' in the last 100' of the Federal Channel Limit.
- (15). Except for shoaling to 6.8' in the last 100' of the Federal Channel Limit.
- (16). Except for shoaling to 8.5' within 10' along east channel limit located within the last 170' of the 12-Foot Channel.
- (17). Except for shoaling to 3.9' within 25' along east anchorage limit.
- (18). Except for shoaling to 7.5' within 75' of southeast corner.