

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

April 25, 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:

Niantic Bay and Harbor – East Lyme and Waterford, CT

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. NC 462


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

Kevin J. Blount Chief, Waterways Management & Marine Information Section – First Coast

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

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)**

DATE: April 25, 2006

TO:	FROM: U.S. Army Corps of Engineers New England District 696 Virginia Road Concord, MA. 01742-2751
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RIVER/HARBOR NAME AND STATE: Niantic Bay and Harbor, East Lyme and Waterford, CT, Dwg. No. Nc. 462, Sheets 1-3 of 3, Dated 24 April 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>6-Foot Channel</u>							
Thence upstream 500' (about 135' upstream of Buoy RN-22)	07/04	125	.08	6.0	4.6	6.0	6.0
Thence upstream 743' (about 109' upstream of Buoy GC-21A)	07/04	100 to 115	.12	6.0	(6) 6.0	6.0	(7) 6.0
Thence upstream 2,543' to end of the Federal Navigation Project	07/04	100	.42	6.0	(8) 6.0	6.0	(9) 6.0

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:

- (6). Except for shoaling to 5.7' within 10' of west channel limit from about 140' to 240' upstream of Buoy RN-22.
- (7). Except for isolated shoal of 5.8' within 10' of east channel limit located about 340' upstream of Buoy RN-22.
- (8). Except for shoaling to 4.8' within 10' of west channel limit from about 500' to 1,500' upstream of Buoy GC-25.
- (9). Except for shoaling to 5.4' within 10' of east channel limit from about 25' to 175' upstream of Buoy RN-24.

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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>8-Foot Channel</u>							
From about 85' upstream of Buoy GC-1 upstream about 1,530' (about 205' seaward of the R.R. Bascule Bridge)	07/04	100	.25	8.0	(1) 7.5	7.9	8.0
Thence upstream about 361' in the vicinity of the R.R. Bascule Bridge	07/04	100 to 45 to 100	.06	8.0	(2) 8.0	8.0	8.0
Thence upstream 520'	07/04 and 02/06	100 & 98	.09	8.0	5.3	6.0	8.0
<u>6-Foot Channel</u>							
From about 165' seaward of Route 156 bridge upstream about 2,107' to the vicinity of dockaminiums	07/04	100	.35	6.0	(3) 6.0	6.0	6.0
Thence upstream 357'	07/04	125 to 100	.06	6.0	(3) 6.0	(4) 5.4	5.2
Thence upstream 2,511' (about 220' upstream of Buoy RN-18)	07/04	100	.41	6.0	6.0	6.0	(5) 6.0

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' of west channel limit from about 125' to 300' upstream of Buoy GC-1.
- (2). Except for shoaling to 4.6' within 10' of west channel limit from about 150' to 205' seaward of the R.R. Bascule Bridge (the channel width at R.R. Bascule Bridge is 43.36 feet).
- (3). Encroachment by piles and floats in the vicinity of dockaminiums.
- (4). Shoaling located at the vicinity of Buoy RN-12; encroachment by piles in the vicinity of dockaminiums.
- (5). Except for shoaling to 5.2' within 10' of east channel limit from about 100' to 200' upstream of Buoy RN-12.