

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

*Mailed
19 March 09
✓*

MAR. 18, 2009

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:

Norwalk Harbor – Norwalk, 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. NK-868


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,

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
260 State Pier Road
New London, CT 06320

1 drawing of map

Stephanie Pitts
Commanding Officer
US Coast Guard
Group Long Island Sound
120 Woodward Ave.
New Haven, CT 06512 - 3628

1 copy of Results of Survey
1 drawing of map
(Reorder by John G. Aug. 27, 2007)

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

PAGE 1 OF 3 PAGES

DATE: **March 18, 2009**

T0: FROM: **U.S. Army Corps of Engineers
New England District
696 Virginia Road
Concord, MA. 01742-2751**

RIVER/HARBOR NAME AND STATE: **Norwalk Harbor, Norwalk, CT**
Dwg. No. **NK-868, Sheets 1-9 of 9, Dated 18 March 2009**

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>AFTER DREDGE/CONDITION SURVEY</u>							
<u>12-Foot Channel</u>							
From about 325' seaward of Buoy GC-3 upstream 3,670' to Buoy GC-7	10/08	200	.60	12.0	(1) 11.7	12.0	12.0
Thence upstream about 4,625' to Buoy GC-13	2/09	200	.76	12.0	(2) 10.9	11.9	(3) 11.4
Thence upstream 1,795'	2/09	200	.30	12.0	12.0	12.0	(4) 12.0
Thence upstream 2,220' (about 295' seaward of Buoy GC-19)	11/08 & 2/09		.37		Naturally deep area which has never been dredged		
Thence upstream 3,100' (opposite vicinity of South Norwalk Boat Club)	1-2/09	240 to 150	.51	12.0	(5) 8.4	9.1	9.1
Thence upstream about 2,220' to end of 12' upper channel limit (seaward face of Washington St. Bridge)	2/09	150 to 250 to 100	.37	12.0	9.2	9.1	9.2

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 11.1' within 15' of channel limit located from about 5' to 275' seaward of Buoy GC-7; 12.0' available elsewhere.
 - (2). Except for shoaling to 8.7' within 15' of channel limit.
 - (3). Except for shoaling to 10.6' within 10' of channel limit from about 275' to about 500' seaward of Buoy GC-11A.
 - (4). Except for shoaling to 11.2' within 20' of limit in upstream end of channel extending into naturally deep area.
 - (5). Except for shoaling to 6.7' within 10' of channel limit.

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Dwg. No. **NK-868, Sheets 1-9 of 9, Dated 18 March 2009**

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/CONDITION SURVEY</u>							
<u>10-Foot Channel</u>							
Thence upstream 1,070' (about 305' upstream from north face of R.R. Swing Bridge)	2/09	100 to 170 to 125	.18	10.0	10.0	5.3 ⁽⁶⁾	5.3
Thence upstream about 2,940' to I-95 Bridge	2/09	125 to 150 to 175 to 200 to 100	.48	10.0	9.0 ⁽⁷⁾	9.6	8.8
Thence upstream 1,705'	2/09	100 to 175 to 150 to 100	.28	10.0	7.9 ⁽⁸⁾	8.5	8.4 ⁽⁹⁾
Thence upstream about 1,850' to Turning Basin	2/09	100 to 200 to 150 to 100 to 50	.30	10.0	7.4	9.0	8.1 ⁽¹⁰⁾
<u>10-Foot Turning Basin</u>							
Thence upstream about 410' to end of north limit	2/09		0.7 acre	10.0		5.4 ⁽¹¹⁾	
<u>10-Foot South Anchorage</u>							
South portion extending from Buoy GC-19 to Buoy RN-2	1/09		17.8 acres	10.0		6.3 Available	
North portion						5.7 Available ⁽¹²⁾	

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). Shoaling is located in the north vicinity along structure of fender system of R.R. swing bridge in center of channel.
- (7). Except for shoaling to 7.8' within 10' of channel limit.
- (8). Except for shoaling to 6.5' within 10' of channel limit.
- (9). Shoaling is located in the vicinity of the St. Ann Club Marina.
- (10). Except for shoaling to 7.2' within 10' of channel limit.
- (11). Except shoaling to 4.1' within 10' of channel limit.
- (12). Except for shoaling to 5.4' within 10' of northeast anchorage limit.

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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/</u> <u>CONDITION SURVEY</u> <u>6-Foot East</u> <u>Norwalk Channel</u> From about 470' seaward of Buoy GC-3 upstream 1,855' to the upstream limit of 6-Foot East Norwalk Channel <u>6-Foot Anchorage</u>	2/09	125 to 150 to 100	.31	6.0	(13) 5.3	6.0	6.0
	2/09		9.6 acres	6.0		(14) 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:

- (13). Except for shoaling to 4.9' within 5' of channel limit located from about 230' to 275' seaward of Buoy GC-3.
- (14). Except for shoaling to 5.6' within 5' of northeast corner of anchorage limits in the vicinity of the East Norwalk Boating and Yacht Club, shoaling to 5.4' within 5' of southwest anchorage limit and shoaling to 5.2' within 5' of west anchorage limit.