

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

CENAE-EP-DS (11-2-240a)

SENT
MAR 06 2003

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:

Stamford Harbor, Stamford, CT.

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. Sd-725

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

NOAA Ship WHITING, Atlantic Marine Center, 439 West York Street, Norfolk, VA 23510 - 1
copy of drawing, 1 copy of form

USCG Cutter Willow, NETC Pier 2 – ATTN: Desiree Atnip, Newport, RI 02841 - 1 copy of drawing, 1 copy of form

Mr. Robert Duncan, 76 Upland Road, Concord, MA 01742 - 1 copy of drawing, 1 copy of form

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)**

PAGE 1 OF 3 PAGES

DATE: **MAR 06 2003**

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

RIVER/HARBOR NAME AND STATE: **Stamford Harbor, Stamford, CT**
Dwg. No. **Sd. 725, Sheets 1-6 of 6, Dated 28 February 2003**

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 Entrance Channel</u>							
From about 800' seaward of East Breakwater upstream 3,405' (about 860' upstream of Buoy RN-6)	2/01	200	.56	18.0	14.1	15.2	(1) 15.4
<u>18-Foot Anchorage</u>							
From about 1040' seaward of Buoy RN-6 upstream 1,900' (about 860' upstream of Buoy RN-6)		1450x600	20 acres				
Southern Half	2/01			18.0		15.5 Available	
Northern Half	2/01			18.0		(2) 12.0	
<u>15-Foot Entrance Channel</u>							
From about 860' upstream of Buoy RN-6 upstream 2,555' to confluence of East and West Branch Channels (about 180' seaward of Buoy RN-12)	2/01	200	.42	15.0	(3) 11.5	13.5	(4) 12.7

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:

- (1). Except for shoaling to 13.6' within 5' along east channel limit.
- (2). Except for shoaling to 9.7' within 270' along the northwest anchorage limit.
- (3). Except for shoaling to 8.8' within 5' along west channel limit.
- (4). Except for shoaling to 11.5' within 5' along east channel limit.

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

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Concord, MA. 01742-2751**

RIVER/HARBOR NAME AND STATE: Stamford Harbor, Stamford, CT
Dwg. No. Sd. 725, Sheets 1-6 of 6, Dated 28 February 2003

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>15-Foot Confluence Area</u>							
From about 180' seaward of Buoy RN-12 upstream 450' (about 325' seaward of Buoy RN-2)	2/01	200 to 273 to 125	2.2 acres	15.0		(5) 11.5	
<u>15-Foot West Branch Channel</u>							
From about 325' seaward of Buoy RN-2 upstream 3,565' (about 270' upstream of Buoy RN-10)	2/01	125	.59	15.0	(6) 11.5	12.5	(7) 10.0
<u>15-Foot West Branch Basin</u>							
From about 270' upstream of Buoy RN-10 upstream 1,550' to north limit of basin	2/01	Varies	10 acres	15.0		(8) 8.2	

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:

- (5). Except for shoaling to 10.2' within 5' along north confluence limit.
- (6). Except for shoaling to 6.8' within 5' along west channel limit.
- (7). Except for shoaling to 8.6' within 5' along east channel limit.
- (8). Except for shoaling 1.6' within 300' radius of northwest corner of basin limit, and shoaling to 6.2' within 5' along east basin limit.

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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 East Branch Channel</u>							
From about 85' upstream of Buoy RN-12 upstream 2,630' to Hurricane Barrier Navigation Opening	2/01	100 to 125	.43	12.0	(9) 10.0	10.1	(10) 10.1
Thence upstream 2,825' to the vicinity of Harbor Square Marina Complex	2/01	100 to 150 to 100	.47	12.0	(11) 7.3	9.9	(12) 6.8
Thence upstream 980'	2/01	100	.16	12.0	2.6	5.2	(13) 8.4
Thence upstream 1,155' to upstream limit of Federal Project	2/01	100 to 75 to 85 to 80 to 90 to 115	.19	12.0		(14) 3.5	

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:

- (9). Except for shoaling to 9.4' within 5' along west channel limit, and shoaling to 7.1' near west channel limit at the vicinity of Hurricane Barrier Navigation Opening.
- (10). Except for shoaling to 7.0' within 10' along east channel limit.
- (11). Except for shoaling to 5.3' within 5' along west channel limit.
- (12). Except for shoaling to 4.5' within 5' along east channel limit.
- (13). Except for shoaling to 7.5' within 5' along east channel limit.
- (14). Except for shoaling to 1.4' within 5' along west channel limit, and shoaling to 1.3' within 5' along east channel limit, and shoaling to 0.7' within 80' of north channel limit. Barges in portion of this channel segment.