

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

Nov. 25, 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:

New Haven Harbor – New Haven, 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
for STEPHEN A. JOHNSTON
Chief, Survey Section

2 Enclosures:

1. ENG Form 4020-R
2. Dwg. No. NH-915

JOHNSTON
PROOFREAD

(S.A.J.)

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
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)

NEW HAVEN AND NEW LONDON HARBOR & BRIDGEPORT

Captain Vincent Cashin, Constitution State Pilots, 9 Nottingham Road - Old Lyme,
CT 06371-1819

(New address Dec. 16 2002 By Moe) 1 copy of drawing, 1 copy of form

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-316)**

DATE: **Nov. 26, 2008**

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

RIVER/HARBOR NAME AND STATE: **New Haven Harbor, New Haven, CT.**
Dwg. No. **NH-915, Sheets 1-6 of 6, Dated 26 November 2008**

MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<u>CONDITION SURVEY</u>								
<u>35-Foot Main Ship Channel</u>								
<u>Entrance Channel</u>								
From about 1,470' seaward of Buoy FI G Bell-1 upstream 6,490' to Buoy FI G-7	3/08	500	1.07	35.0	(1) 35.0	35.0	35.0	(2) 35.0
<u>Lighthouse Point Reach</u>								
Thence upstream 7,490' to Buoy RN-12	3/08	400	1.23	35.0	(3) 33.2	35.0	35.0	(4) 32.8
Thence upstream 10,185' to about 120' upstream of Buoy RN-20	3/08	400 to 500	1.67	35.0	(5) 33.4	35.0	35.0	(6) 34.0
<u>New Haven Reach</u>								
Thence upstream 3,250' (vicinity of Buoy FI Y-A)	3/08	500 to 800	0.53	35.0	(7) 33.0	35.0	32.5	(8) 31.5
Thence upstream 2,460' to end of 35' New Haven Federal Channel	3/08	800 to 500	0.40	35.0	30.1	32.9	31.6	32.2

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 32.3' within 20' along west channel limit.
- (2). Except for shoaling to 34.8' within 20' along east channel limit located between Buoy FI R-2 and Buoy FI R-4 and shoaling to 31.6' within 10' along west channel limit from about 300' to 350' upstream of Buoy FI R Bell-6.
- (3). Except for shoaling to 31.3' within 15' along west channel limit located between Buoy FI G-7 and Buoy FI G-9.
- (4). Except for shoaling to 31.4' within 15' along east channel limit located from 500' seaward to about 350' upstream of Buoy RN-10.
- (5). Except for shoaling to 32.0' within 25' along west channel limit.
- (6). Except for shoaling to 33.1' within 25' along east channel limit.
- (7). Except for shoaling to 32.7' within 20' of channel limit.
- (8). Except for shoaling to 30.6' within 20' of channel limit.

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-316)**

DATE: **Nov. 26, 2008**

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: New Haven Harbor, New Haven, CT. Dwg. No. NH-915, Sheets 1-6 of 6, Dated 26 November 2008	MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD
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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<u>CONDITION SURVEY</u> <u>35-Foot Turning Basin</u> From about 815' seaward to 340' upstream of Buoy FI Y-A <u>16-Foot Anchorage</u> From about 630' seaward of Buoy GC-17 to 1,425' upstream of Buoy FI Y-A	3/08		7.6 acres	35.0		29.9' available		
	3/08		139 acres	16.0		11.7' available within 300' of east anchorage limit 7.2' available in the area from 300' to 600' of east anchorage limit 5.7' available in the area from 600' to 900' of east anchorage limit 3.1' available in the area from 900' to 1,200' of east anchorage limit 1.6' available in the area from 1,200' of east anchorage limit to western edge of anchorage		

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:

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

*sent out
14.00*

FEB 18 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:

Quinnipiac River, New Haven Harbor, 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. NH-908

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
(No longer, Return to Sender Feb. 18, 2004)

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

**NEW LONDON HARBOR, NEW HAVEN HARBOR & BRIDGEPORT
HARBOR**

Northeast Marine Pilots Incorporated, 243 Spring Street, Newport, RI 02840 – 1 copy of
drawing,

NEW HAVEN AND NEW LONDON HARBOR

Captain Cashin, Constitution State Pilots, 9 Nottingham Road - Old Lyme, CT 06371-1819
1 copy of drawing, 1 copy of form

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

DATE: FEB 18 2005

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

RIVER/HARBOR NAME AND STATE: Quinnipiac River, New Haven, CT
 Dwg. No. NH-908, Sheets 1-2 of 2, Dated 18 February 2005

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 Channel</u> From about 530' seaward of the Tomlinson Bridge upstream about 4,260' to the Ferry Street Bridge	10/00	500 to 120 to 250 to 320 to 200 to 110	.70	18.0	(1) 14.6	15.7	(2) 13.1
<u>16-Foot Channel</u> From the Ferry Street Bridge upstream about 1,840' to 12' Channel Limit	10/00	110 to 260 to 200	.30	16.0	10.9	11.7	(3) 11.3
<u>12-Foot Channel</u> Thence upstream about 1,080' to the Grand Avenue Bridge	10/00	200	.18	12.0	(4) 12.0	(5) 12.0	(6) 11.9

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:

- (1). Except for scattered shoaling to 12.2' within 15' of north limit in vicinity of Buoy GC-1, and to 13.2' within 10' of Ferry Street Bridge fenders.
- (2). Shoaling is located from about 100' seaward to about 600' upstream of Connecticut Turnpike; 15.4' available elsewhere except for scattered shoaling to 11.7' within 15' of south limit from about 150' to about 300' upstream of the Connecticut Turnpike.
- (3). Except for scattered shoaling to 10.8' within 20' of southeast corner, approximately 500' upstream of Ferry Street Bridge.
- (4). Except for scattered shoaling to 10.7' within 10' of west limit.
- (5). Except for shoaling to 8.4' within 100' of upstream limit.
- (6). Except for scattered shoaling to 10.4' on the east limit, and to 11.6' within 100' of upstream limit.

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

*sent out
10.00 a.m.*
NOV 27 2002
✓

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:

New Haven Harbor, CT. Mill River

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. drawing
2. navigation and
chart data

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

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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

Mr. Dave Rossiter, Bureau of Aviation and Ports, Office of Waterways, CT Department of Transportation, New London, CT 06320 - 1 copy of drawing

NEW LONDON HARBOR, NEW HAVEN HARBOR & BRIDGEPORT HARBOR

Northeast Marine Pilots Incorporated, 243 Spring Street, Newport, RI 02840 – 1 copy of drawing,

NEW HAVEN AND NEW LONDON HARBOR

Captain Cashin, Constitution State Pilots, 500 Waterfront Street, New Haven, CT 06512 - 1 copy of drawing, 1 copy of form

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

DATE: **NOV 27 2002**

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

RIVER/HARBOR NAME AND STATE: **New Haven Harbor, CT. Mill River**
Dwg. No. **NH-907, Sheet 1 of 1, Dated 26 Nov. 2002**

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>							
From about 1400' seaward of Chapel Street Bridge pier upstream about 1400' to Chapel Street Bridge pier	10/00	350 to 200	.23	12.0	(1) 8.6	8.2	(2) 7.1
Thence upstream about 350' (through the draw-bridge)	10/00	200	.06	12.0	9.8	(3) 6.5	(4) 10.5
Thence upstream about 480' to the confluence of east and west branches	10/00	200	.08	12.0	(5) 5.5	8.3	(6) 11.3
East Branch	10/00	100	.16	12.0	2.5	1.4	0.6 (7)
West Branch	10/00	125 to 150 to 125 to 70	.24	12.0	2.6	4.9	4.9

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:

- (1). Except for scattered shoaling to 7.6' on west limit.
- (2). Except for scattered shoaling to 5.9' on east limit.
- (3). Except for scattered shoaling to 5.5' within 5.0' on left side of bridge pier.
- (4). Except for scattered shoaling to 7.4' within 5.0' of east limit, and to 9.2' within 5.0' on right side of bridge pier.
- (5). Except for scattered shoaling to 4.0' within 5.0' of west limit.
- (6). Except for scattered shoaling to 10.1' on the east limit.
- (7). Except for scattered shoaling to 4.0' within the last 20' of north limit.

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

Sept. 05, 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:

New Haven Harbor – West River, 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. NH-916


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
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 1 PAGE

DATE: 5 September 2008

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: New Haven Harbor, West River, CT Dwg. No. NH-916, Sheets 1-3 of 3, Dated 5 September 2008	MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD
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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>CONDITION SURVEY</u> <u>12-Foot Channel</u>							
From about 385' seaward of Buoy RN-2 upstream 550'	02/08	300 to 100	0.06	12.0	11.5	9.0	8.1
Thence upstream about 4,465' to Buoy RN-12	02/08	100	0.76	12.0	10.2	10.5	(1) 10.3
Thence upstream about 2,300' to end of 12-foot channel (about 100' seaward of south face of Kimberly Avenue Bridge)	02/08	100 to 150 to 125	0.39	12.0	(2) 8.1	(3) 7.9	(4) 6.1
<u>8-Foot Channel</u>							
Thence upstream 1,000' to end of 8-foot channel	02/08	75	0.17	8.0	7.0	5.7	6.7
<u>6-Foot Anchorage</u>							
From about 40' upstream of Buoy RN-12 to about 40' upstream of Buoy RN-14	02/08		1.12 acres	6.0		(5) 4.4	

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 9.4' within 5' of north channel limit located about 300' to 400' seaward of Buoy GC-9.
- (2). Except for shoaling to 2.2' within 375' of end of 12' channel.
- (3). Except for shoaling to 6.1' within 550' of end of 12' channel.
- (4). Except for shoaling to 5.1' within 570' of end of 12' channel.
- (5). Except for shoaling to 3.7' within 5' of southwest anchorage limit.