

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-520)**

DATE: **September 28, 2012**

TO:

FROM:



Digitally signed by
JOHNSTON.STEPHEN.A.1228550406
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,
ou=USA, cn=JOHNSTON.STEPHEN.A.1228550406
Date: 2012.09.28 13:19:57 -04'00'

RIVER/HARBOR NAME AND STATE: New Haven Harbor, New Haven, CT
Dwg. No. NHH-917, Sheet(s) 1-6 of 6, Dated 28 September 2012

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 1,525' seaward of Buoy FI R-2 thence upstream 6,490' (about 425' upstream of Buoy FI R Bell-6) | 2/12 | 500 | 1.07 | 35.0 | (1) 35.0 | 35.0 | 35.0 | (2) 35.0 |
| <u>Lighthouse Point Reach</u> | | | | | | | | |
| Thence upstream for 7,475' to Buoy RN-12 | 2/12 | 400 | 1.23 | 35.0 | 32.4 | 33.8 | 34.9 | (3) 31.2 |
| Thence upstream for 6,720' to Buoy RN-16 | 2/12 | 400 to 500 | 1.11 | 35.0 | (4) 32.5 | 35.0 | 35.0 | (5) 33.0 |
| Thence upstream for 3,460' (about 25' upstream from Buoy RN-20) | 2/12 | 400 to 500 | .57 | 35.0 | (6) 31.6 | 33.4 | 35.0 | (7) 33.6 |
| <u>New Haven Reach</u> | | | | | | | | |
| Thence upstream for 5,720' to end of New Haven Main Ship Channel (about 500' Seaward of Forbes Avenue State Highway 1) | 2/12 | 500 to 800 | .94 | 35.0 | (8) 26.9 | 30.6 | 29.8 | 27.5 |

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:

- (1). Except for shoaling to 31.6' within 25' of channel limit.
- (2). Except for shoaling to 34.5' within 15' of channel limit.
- (3). Except for shoaling to 28.8' within 40' of channel limit.
- (4). Except for shoaling to 30.8' within 40' of channel limit.
- (5). Except for shoaling to 31.7' within 40' of channel limit.
- (6). Except for shoaling to 30.1' within 40' of channel limit.
- (7). Except for shoaling to 32.5' within 40' of channel limit.
- (8). Except for shoaling to 26.2' within 40' of channel limit.

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Date: 2012.09.28 13:19:20 -04'00'

RIVER/HARBOR NAME AND STATE: New Haven Harbor, New Haven, CT
Dwg. No. NHH-917, Sheet(s) 1-6 of 6, Dated 28 September 2012

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 Turning Basin</u> From about 855' seaward to 305' upstream of Buoy FI Y-A | 2/12 | | 7.6 acres | 35.0 | | | | | |
| | | | | | 27.5' available | | | | |
| <u>16-Foot Anchorage</u> From about 675' seaward of Buoy GC-17 to 1,325' upstream of Buoy FI Y-A | 2/12 | | 137 acres | 16.0 | | | | | |
| | | | | | 10.6' available within 400' of east anchorage limit 6.3' available in the area from 400' to 800' of east anchorage limit 3.2' available in the area from 800' to 1,200' of east anchorage limit 2.0' available in the area from 1,200' to western edge of anchorage | | | | |

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FOOT NOTES:

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-520)**

PAGE 1 OF 1 PAGES

DATE: **July 1, 2013**

TO:

FROM:



**US Army Corps
of Engineers**
New England District

Digitally signed by
PRESTON.JEFFREY.W.1228574348
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,
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Date: 2013.07.01 10:06:38 -04'00'

RIVER/HARBOR NAME AND STATE: Quinnipiac River, New Haven, CT
Dwg. No. NHH-920, Sheet(s) 1-2 of 2, Dated 1 July 2013

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 Channel</u> | | | | | | | |
| From about 500' seaward of Tomlinson Bridge upstream about 860' to the Connecticut Turnpike Bridge | 5/11 | 500 to 115 | .14 | 18.0 | (1) 16.3 | 16.9 | (2) 14.0 |
| Thence upstream 3,415' to Ferry Street Bridge abutments (about 1,425' upstream from Buoy GC-1) | 5/11 | 325 to 110 | .56 | 18.0 | (3) 14.9 | 15.0 | (4) 12.2 |
| <u>16-Foot Channel</u> | | | | | | | |
| Thence upstream 1,740' to about 1,170' seaward of south face of Grand Avenue Bridge | 5/11 | 110 to 200 | .29 | 16.0 | 11.4 | 12.3 | (5) 11.8 |
| <u>12-Foot Channel</u> | | | | | | | |
| Thence upstream 1,130' to about 35' seaward from face of Grand Avenue Bridge | 5/11 | 200 | .19 | 12.0 | (6) 12.0 | (7) 12.0 | (8) 12.0 |
| <u>18-Foot Turning Area</u> | | | | | | | |
| | 5/11 | | 1.37 acres | 18.0 | | 12.0' available | |

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 15.4' within 15' of channel limit.
- (2). Except for shoaling to 13.5' within 20' of channel limit.
- (3). Except for shoaling to 13.6' within 10' of channel limit.
- (4). Except for shoaling to 11.5' within 10' of channel limit.
- (5). Except for shoaling to 11.2' within 10' of channel limit.
- (6). Except for shoaling to 11.5' within 10' of channel limit.
- (7). Except for shoaling to 10.0' within last 5' of Federal Channel.
- (8). Except for shoaling to 11.6' within 10' of channel limit and 11.4' within last 10' of channel.

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PAGE 1 OF 1 PAGES

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Date: 2013.07.01 08:38:50 -04'00'

RIVER/HARBOR NAME AND STATE: Mill River, New Haven, CT
Dwg. No. NHH-917, Sheet(s) 1 of 1, Dated 1 July 2013

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 approximately 1,350' seaward of the Chapel street Bridge upstream to the Chapel Street Bridge | 5/11 | 550 to 200 | .22 | 12.0 | (1) 7.5 | 7.4 | (2) 6.4 |
| Thence upstream 300' through the bridge draw | 5/11 | 200 | .05 | 12.0 | (3) 8.4 | (4) West Side 8.6' East side 10.1' | (5) 11.6 |
| Thence upstream 260' to the confluence of the east and west branches | 5/11 | 200 | .04 | 12.0 | (6) 8.9 | 8.1 | (7) 12.0 |
| <u>East Branch</u> | | | | | | | |
| Thence upstream 270' to beginning of 100' wide channel | 5/11 | 200 to 100 | .04 | 12.0 | 10.1 | 11.1 | 10.8 |
| Thence upstream 960' to end of channel | 5/11 | 100 | .16 | 12.0 | 2.1 | 1.8 | 1.2 |
| <u>West Branch</u> | | | | | | | |
| From confluence upstream 1,570' to end of channel | 5/11 | 285 to 75 | .26 | 12.0 | 4.6 | 4.8 | (8) 6.2 |

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FOOT NOTES:

- (1). Except for shoaling to 7.1' within 15' of channel limit.
- (2). Except for shoaling to 5.7' within 15' of channel limit.
- (3). Except for shoaling to 7.7' within 10' of channel limit.
- (4). Except for shoaling to 6.2' within 25' of both the north and south fenders of Chapel Street Bridge
- (5). Except for shoaling to 10.0' within 15' of channel limit.
- (6). Except for shoaling to 6.6' within 15' of channel limit.
- (7). Except for shoaling to 9.5' within 15' of channel limit.
- (8). Except for shoaling to 3.9' within 20' of end of channel.

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PAGE 1 OF 1 PAGE

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ou=USA, cn=PRESTON.JEFFREY.W.1228574348
Date: 2013.07.01 08:06:54 -04'00'

RIVER/HARBOR NAME AND STATE: West River, New Haven Harbor, Connecticut
Dwg. No. NHH-918, Sheets 1-3 of 3, Dated 1 July 2013

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 400' seaward of Buoy RN-2 upstream about 2,500' to Buoy GC-7 | 1/12 | 100 | .41 | 12.0 | 11.2 | 8.9 | 8.0 |
| Thence upstream 2,500' to Buoy RN-12 | 1/12 | 100 | .41 | 12.0 | 9.5 | 9.8 | 9.4 |
| Thence upstream 1,700' to Buoy RN-18 | 1/12 | 100 to 150 to 125 | .28 | 12.0 | 7.8 | 7.2 | 5.9 ⁽¹⁾ |
| Thence upstream 600' to end of 12' channel and beginning of 8' channel | 1/12 | 125 | .10 | 12.0 | 4.1 ⁽²⁾ | 5.7 | 3.9 |
| <u>8-Foot Channel</u> | | | | | | | |
| Thence upstream 1,000' to end of Federal Navigation Project | 1/12 | 75 | .16 | 8.0 | 7.2 | 5.2 | 4.3 ⁽³⁾ |
| <u>6-Foot Anchorage</u> | | | | | | | |
| From about 100' upstream of Buoy RN-12 to about 100' seaward of Buoy RN-14 | 1/12 | | 1.12 acres | 6.0 | | | |
| | | | | | | (4) 4.0 available | |

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FOOT NOTES:

- (1). Except for shoaling to 5.0' within 10' of limit.
- (2). Except for shoaling to 3.2' within 10' of limit.
- (3). Except for encroachment of floats at City Point Yacht Club within the last 525' of channel.
- (4). Except for shoaling to 3.4' within 25' of limit.