772,000 771,000 770,000

1,029,000

1,028,000

PORTLAND

15-FOOT CHANNEL
PORTLAND BAR

150'

1730+00

LIGHT 94
(FL R 4S)

1725+00

1720+00

1715+00

1710+00

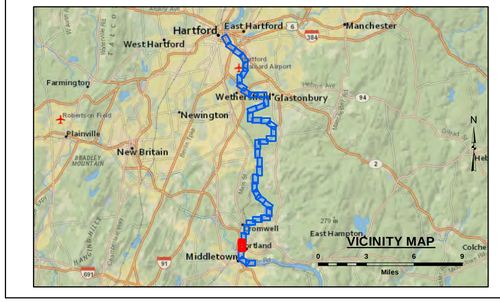
1705+00

CONNECTICUT RIVER

FLOOD

EBB

WOOD ISLAND
PARK



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

100 0 100 200

1" = 100' Feet

N E S W

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

The information depicted on these charts represents the results of surveys made on the dates indicated, and can only be considered as indicating the conditions existing at that time.

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Project Remarks
Federal navigation project not surveyed in its entirety, survey covers Portland Bar to Hartford Bar.

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: M&V
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SIZE: ANSI D
MAP DOCUMENT: CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

15-FOOT CHANNEL
File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to
Sheet 4 of 40

Revison Number: 4.1-20191105

774,000 773,000 772,000

1,029,000

PORTLAND

CONNECTICUT RIVER

CROMWELL

15-FOOT CHANNEL
PORTLAND BAR

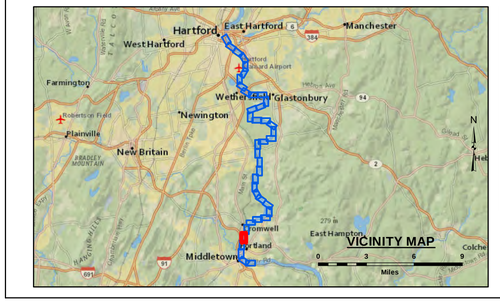
1750+00 1745+00 1740+00 1735+00 1730+00

1758+83

150'

FLOOD

EBB



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE
100 0 100 200
1" = 100' Feet

N E S W

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT:
CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 5 of 40

Revison Number: 4.1-20191105

777,000 776,000 775,000

1,030,000

PORTLAND

CONNECTICUT RIVER

CROMWELL

15-FOOT CHANNEL
CROMWELL BAR

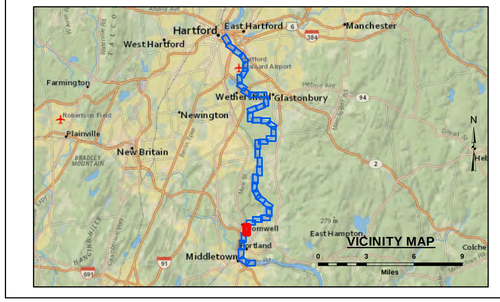
FLOOD

EBB

1785+00 1780+00 1775+00 1770+00 1765+00 1760+00

150'

12.4 13.0 10.9



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE
100 0 100 200
1" = 100' Feet

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT:
CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to
Sheet 6 of 40

Revison Number: 4.1-20191105

1,030,000 1,031,000 1,032,000

779,000 778,000

CROMWELL

PORTLAND

GILDERSLEEVE

15-FOOT CHANNEL
CROMWELL BAR

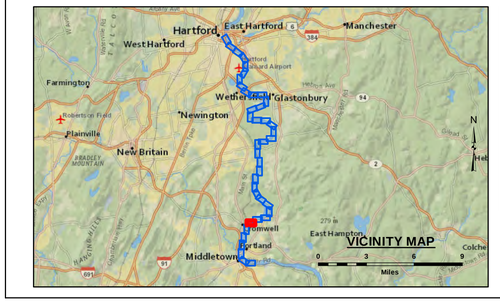
CONNECTICUT RIVER

FLOOD
EBB

LIGHT 95
(FL G 4S)

1815+00 1800+00 1795+00 1790+00

150'



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE
1" = 100'
100 0 100 200 Feet

N W E S

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SIZE: ANSI D
MAP DOCUMENT: CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 7 of 40

Revison Number: 4.1-20191105

1,032,000 1,033,000 1,034,000

780,000 779,000

CONNECTICUT RIVER

CROMWELL

PORTLAND

GILDERSLEEVE

FLOOD

EBB

15-FOOT CHANNEL
GILDERSLEEVE ISLAND SHOAL

150'

LIGHT 98
(FL R 2.5S)

1815-00 1830-00 1845-00 1900-00 1915-00

1,032,000 1,033,000 1,034,000

LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

100 0 100 200

1" = 100' Feet

N W E S

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT:
CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to
Sheet 8 of 40

Revison Number: 4.1-20191105

LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE
1" = 100'
100 0 100 200 Feet

N W E S

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
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GPS_System: Trimble SPS 855 (RTK)
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US Army Corps of Engineers
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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SIZE: ANSI D
MAP DOCUMENT: CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

15-FOOT CHANNEL
File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to
Sheet 9 of 40

Revison Number: 4.1-20191105

783,000 782,000 781,000

1,038,000 1,037,000

1890+00 1885+00 1880+00 1875+00 1870+00 1865+00

150' 150'

REAR RANGE LIGHT

15-FOOT CHANNEL
PISTOL POINT BAR

15-FOOT CHANNEL
GILDERSLEEVE ISLAND SHOAL

PORTLAND
GILDERSLEEVE

CONNECTICUT RIVER

FLOOD
EBB

GILDERSLEEVE ISLAND

11.8
9.0

VICINITY MAP
Hartford, East Hartford, Manchester, West Hartford, Farmington, Wethersfield, Glastonbury, Newington, Plainville, New Britain, Bradley Mountain, Cromwell, Portland, East Hampton, Middletown, Colchester
0 3 6 9 Miles

LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE
100 0 100 200
1" = 100' Feet

N E S W

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

The information depicted on these charts represents the results of surveys made on the dates indicated, and can only be considered as indicating the conditions existing at that time.

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Project Remarks
Federal navigation project not surveyed in its entirety, survey covers Portland Bar to Hartford Bar.

Water Level Information
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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
MAP DOCUMENT: CT_08_CRB_20201220_CS_070
SIZE: ANSI D

CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

15-FOOT CHANNEL
File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to
Sheet 10 of 40

Revison Number: 4.1-20191105

1,037,000 785,000 1,038,000 784,000

1,036,000 785,000 783,000 1,038,000

PORTLAND

CONNECTICUT RIVER

FLOOD

EBB

15-FOOT CHANNEL
PISTOL POINT BAR

150'

1920+00 1915+00 1910+00 1905+00 1900+00 1895+00

FRONT RANGE LIGHT 102 (FL R 2.5S)

REAR RANGE LIGHT

7.9 7.2 6.6

784,000 1,036,000 1,037,000 783,000

LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

MAP DOCUMENT: CT_08_CRB_20201220_CS_070
SIZE: ANSI D

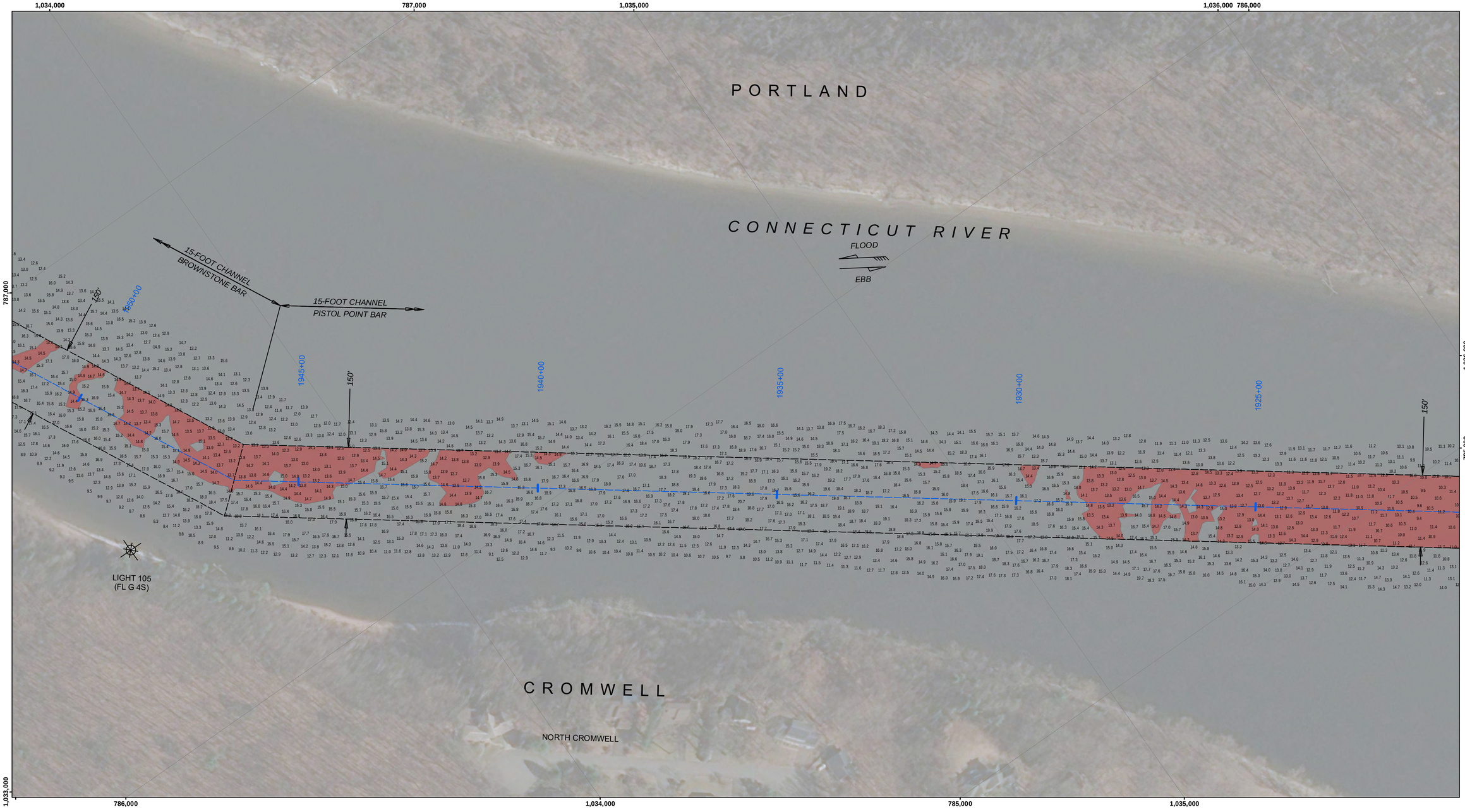
CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 11 of 40

Revison Number: 4.1-20191105



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
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- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100'

100 0 100 200 Feet

N W E S

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
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Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021
SIZE: ANSI D

MAP DOCUMENT:
CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

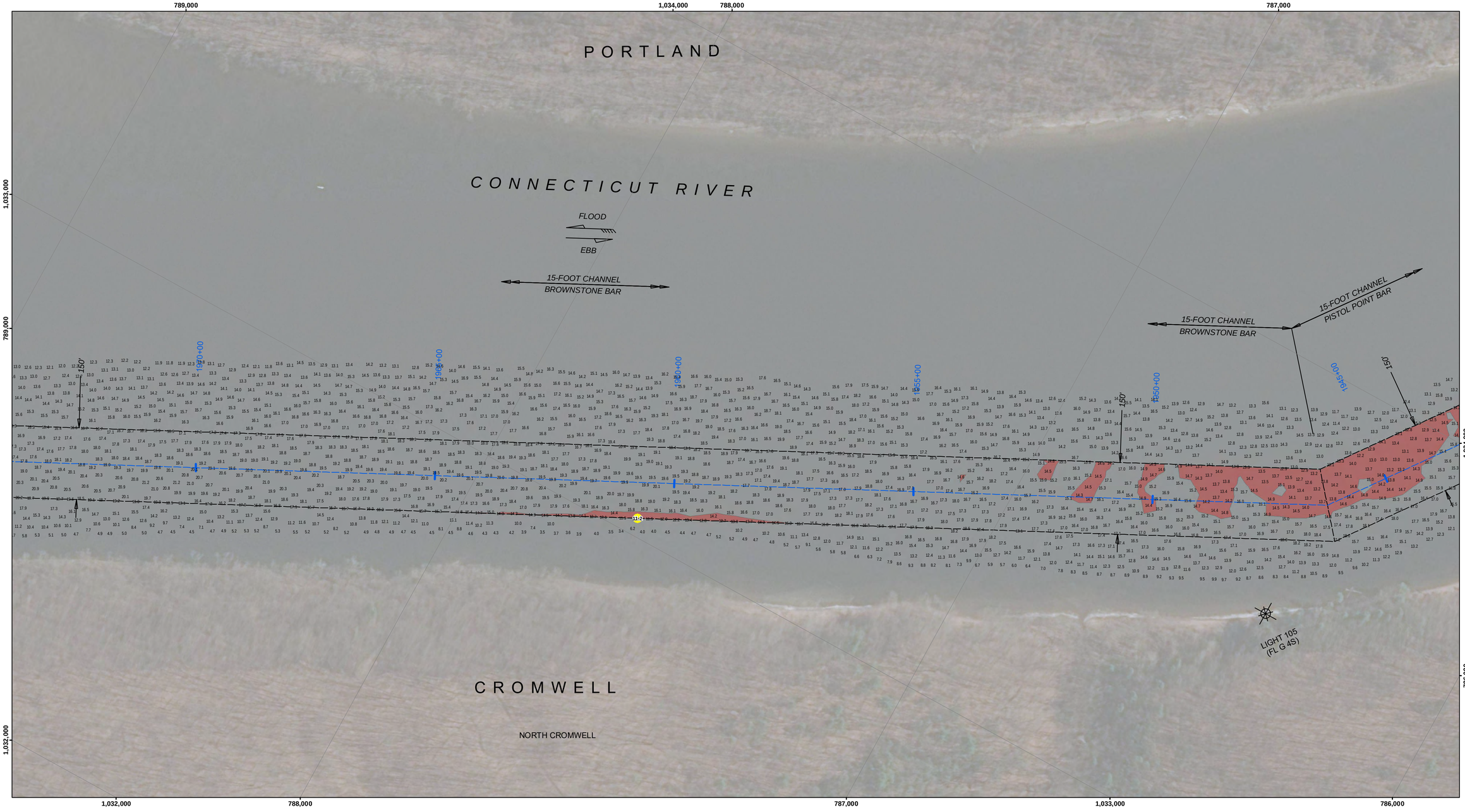
15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to

Sheet 12 of 40

Revison Number: 4.1-20191105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787,000
1,033,000
786,000
786,000
1,032,000
PORTLAND
CONNECTICUT RIVER
FLOOD
EBB
15-FOOT CHANNEL
BROWNSTONE BAR
15-FOOT CHANNEL
BROWNSTONE BAR
15-FOOT CHANNEL
PISTOL POINT BAR
CROMWELL
NORTH CROMWELL
LIGHT 105
(FL G 4S)
980+00
960+00
940+00
920+00
900+00
880+00
860+00
840+00
820+00
800+00
780+00
760+00
740+00
720+00
700+00
680+00
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360+00
340+00
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300+00
280+00
260+00
240+00
220+00
200+00
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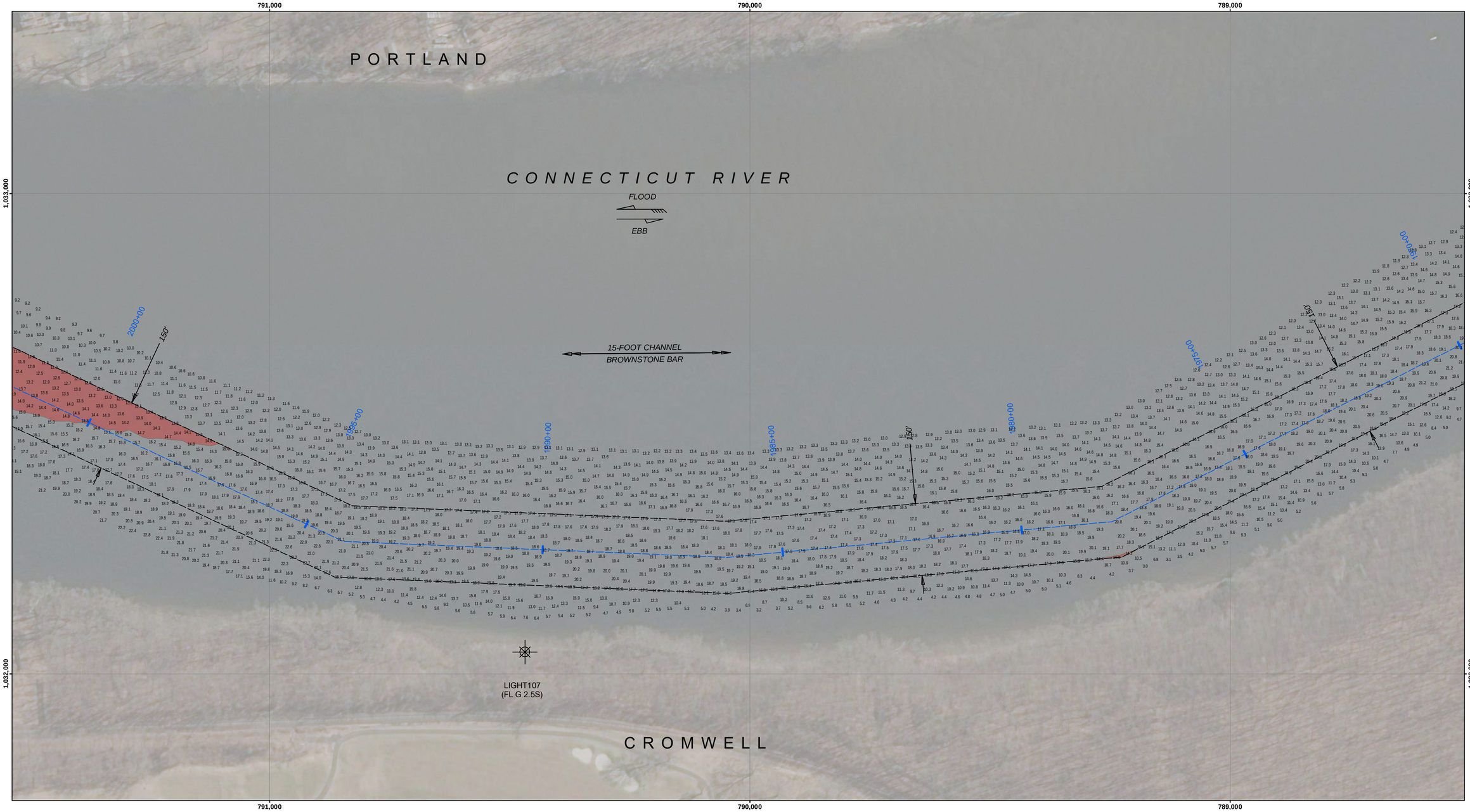
150'
150'
150'



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100'

100 0 100 200 Feet

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

MAP DOCUMENT: CT_08_CRB_20201220_CS_070

SIZE: ANSI D

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 14 of 40

Revison Number: 4.1-20191105

794,000 793,000 792,000

1,033,000

PORTLAND

CONNECTICUT RIVER

FLOOD

EBB

2025+00 2020+00 2015+00 2010+00 2005+00 2000+00

150'

15-FOOT CHANNEL
BROWNSTONE BAR

CROMWELL

BELAMOSE

794,000 793,000 792,000

LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

100 0 100 200

1" = 100' Feet

N E S W

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

MAP DOCUMENT: CT_08_CRB_20201220_CS_070

SIZE: ANSI D

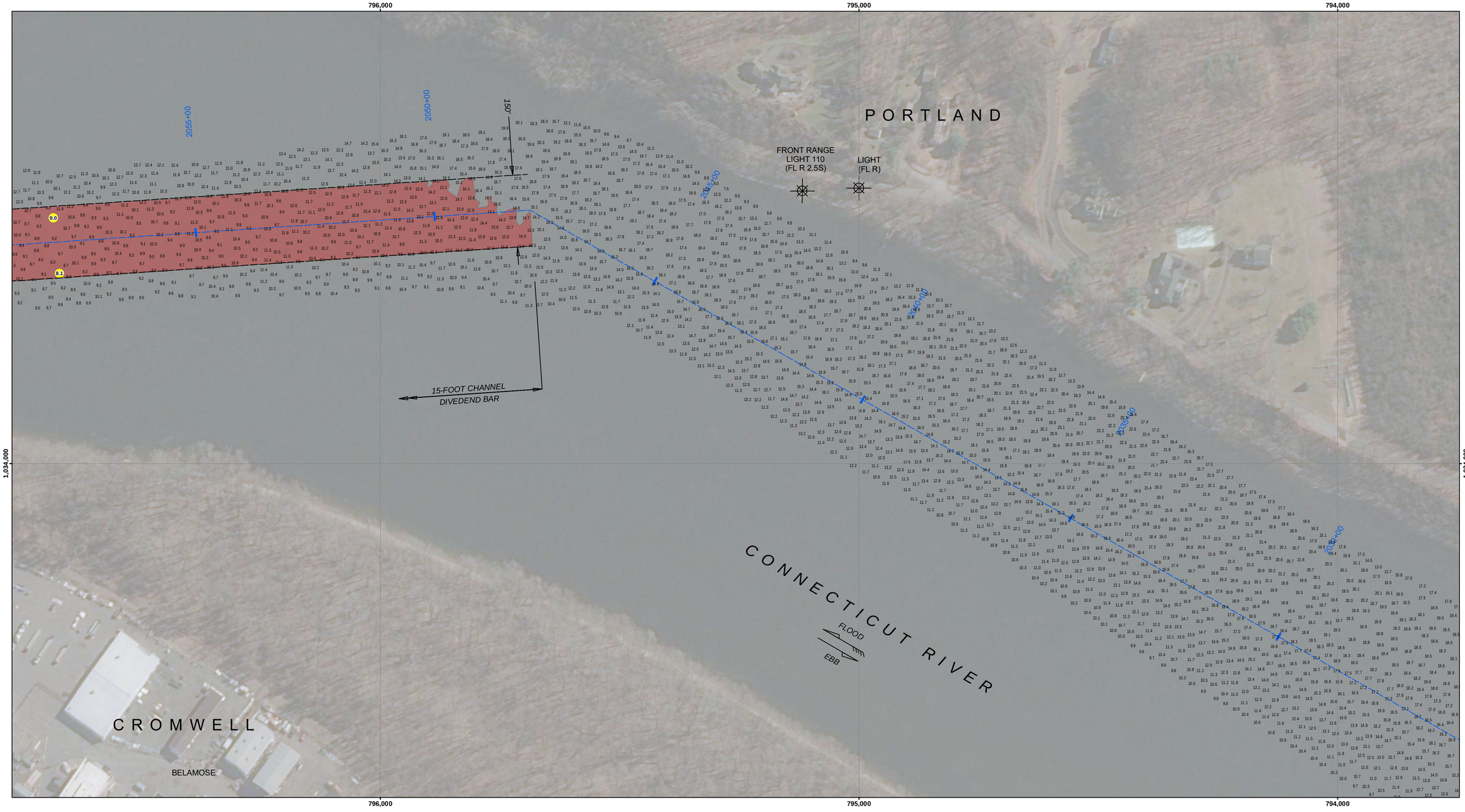
CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

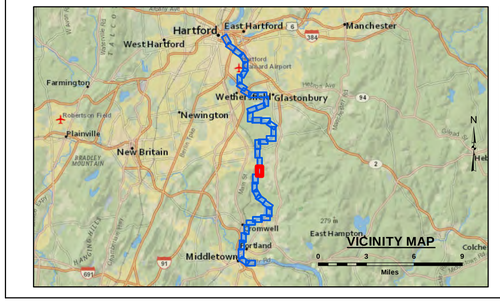
15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 15 of 40

Revison Number: 4.1-20191105





LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
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** Shoalest Sounding per Quarter per Reach
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100 0 100 200
1" = 100' Feet

E N S W

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
MAP DOCUMENT: CT_08_CRB_20201220_CS_070
SIZE: ANSI D

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 16 of 40

Revison Number: 4.1-20191105

799,000 798,000 797,000

1,035,000 1,034,000

SEABORD MARINA

PORTLAND

CROMWELL

BELAMOSE

CONNECTICUT RIVER

15-FOOT CHANNEL
DIVIDENED BAR

150'

150'

2065+00

2070+00

2075+00

2080+00

2085+00

2060+00

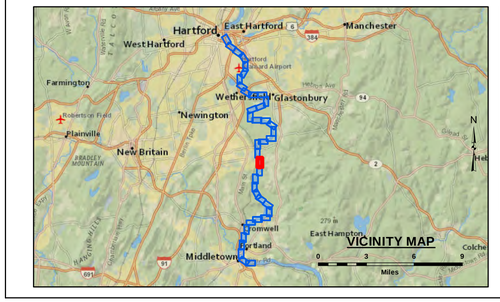
9.0

8.1

8.1

FLOOD

EBB



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

N E S W

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

The information depicted on these charts represents the results of surveys made on the dates indicated, and can only be considered as indicating the conditions existing at that time.

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Project Remarks

Federal navigation project not surveyed in its entirety, survey covers Portland Bar to Hartford Bar.

Water Level Information

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT: CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to

Sheet 17 of 40

Revison Number: 4.1-20191105

802,000 801,000 800,000

1,034,000 1,033,000

SOUTH GLASTONBURY

GLASTONBURY

CONNECTICUT RIVER

FLOOD

EBB

15-FOOT CHANNEL
DIVIDED BAR

150'

2100+00 2095+00 2090+00

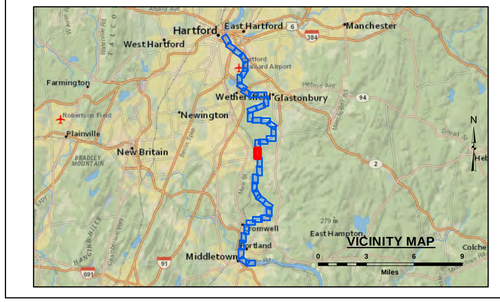
2110+00 2105+00 2115+00

ROCKY HILL

BELAMOSE

CROMWELL

802,000 801,000 800,000



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100'

100 0 100 200 Feet

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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Project Remarks

Federal navigation project not surveyed in its entirety, survey covers Portland Bar to Hartford Bar.

Water Level Information

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US Army Corps of Engineers
District: CENAE

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805,000 804,000 803,000

1,034,000 1,033,000

SOUTH GLASTONBURY

GLASTONBURY

ROCKY HILL

2140+00 2135+00 2130+00 2125+00 2120+00

CONNECTICUT RIVER

FLOOD

EBB

LIGHT 113
(FL R 4S)

LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE
1" = 100'
100 0 100 200 Feet

N E S W

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

MAP DOCUMENT: CT_08_CRB_20201220_CS_070
SIZE: ANSI D

US Army Corps of Engineers
District: CENAE

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 19 of 40

Revison Number: 4.1-20191105

1,034,000 1,035,000 1,036,000

805,000

ROCKY HILL

CONNECTICUT RIVER

15-FOOT CHANNEL
GLASTONBURY TWO PIERS BAR

FLOOD
EBB

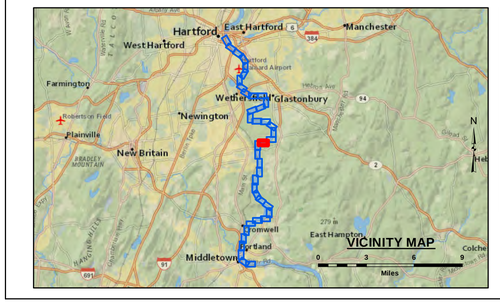
2145+00 2150+00 2155+00 2160+00 2165+00

150' 150'

GLASTONBURY

805,000

1,034,000 1,035,000 1,036,000



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE
100 0 100 200
1" = 100' Feet

N W E S

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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Federal navigation project not surveyed in its entirety, survey covers Portland Bar to Hartford Bar.

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

MAP DOCUMENT: CT_08_CRB_20201220_CS_070

SIZE: ANSI D

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 20 of 40

Revison Number: 4.1-20191105

1,037,000 1,038,000 1,039,000

806,000

ROCKY HILL

CONNECTICUT RIVER

FLOOD

EBB

15-FOOT CHANNEL
GLASTONBURY TWO PIERS BAR

LIGHT 116
(FL R 4S)

2196+00

150'

2190+00

2185+00

GLASTONBURY

2180+00

2175+00

2170+00

150'

806,000

1,037,000 1,038,000 1,039,000

LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

N W E S

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
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Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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US Army Corps of Engineers
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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

MAP DOCUMENT: CT_08_CRB_20201220_CS_070

SIZE: ANSI D

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 21 of 40

Revison Number: 4.1-20191105

809,000 808,000 807,000

1,039,000

GLASTONBURY

15-FOOT CHANNEL
GLASTONBURY UPPER BAR

15-FOOT CHANNEL
GLASTONBURY TWO PIERS BAR

2225+00 2220+00 2215+00 2210+00 2205+00 2200+00

150' 150' 150'

CONNECTICUT RIVER

FLOOD

EBB

ROCKY HILL

1,038,000

809,000 808,000 807,000

LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
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- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

100 0 100 200

1" = 100' Feet

N W E S

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
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Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
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US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

MAP DOCUMENT: CT_08_CRB_20201220_CS_070

SIZE: ANSI D

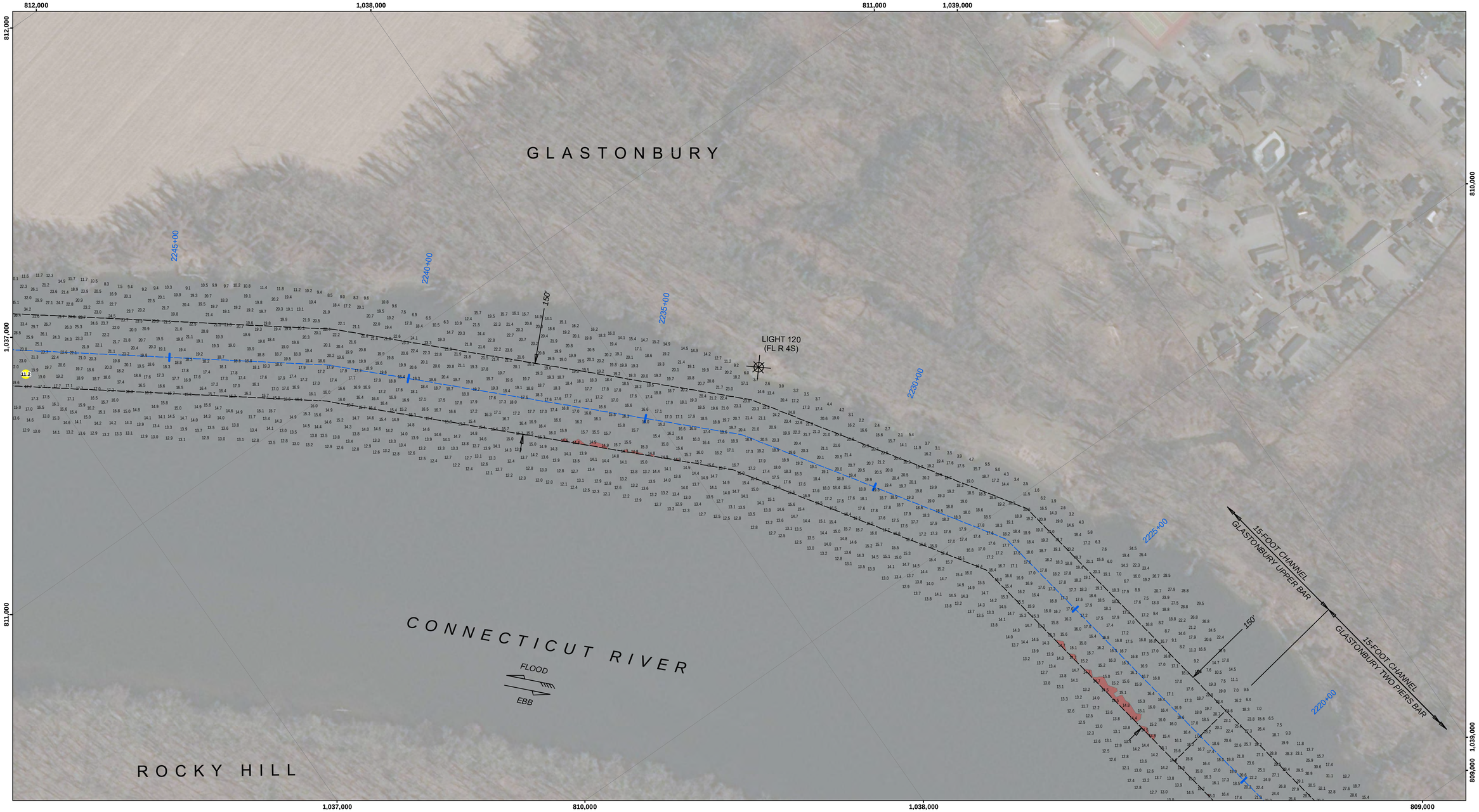
CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 22 of 40

Revison Number: 4.1-20191105



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrograhpic Survey

GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

N E S W

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

The information depicted on these charts represents the results of surveys made on the dates indicated, and can only be considered as indicating the conditions existing at that time.

General Notes

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Project Remarks

Federal navigation project not surveyed in its entirety, survey covers Portland Bar to Hartford Bar.

Water Level Information

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/2/2021
SIZE: ANSI D
MAP DOCUMENT: CT_08_CRB_20201220_CS_070

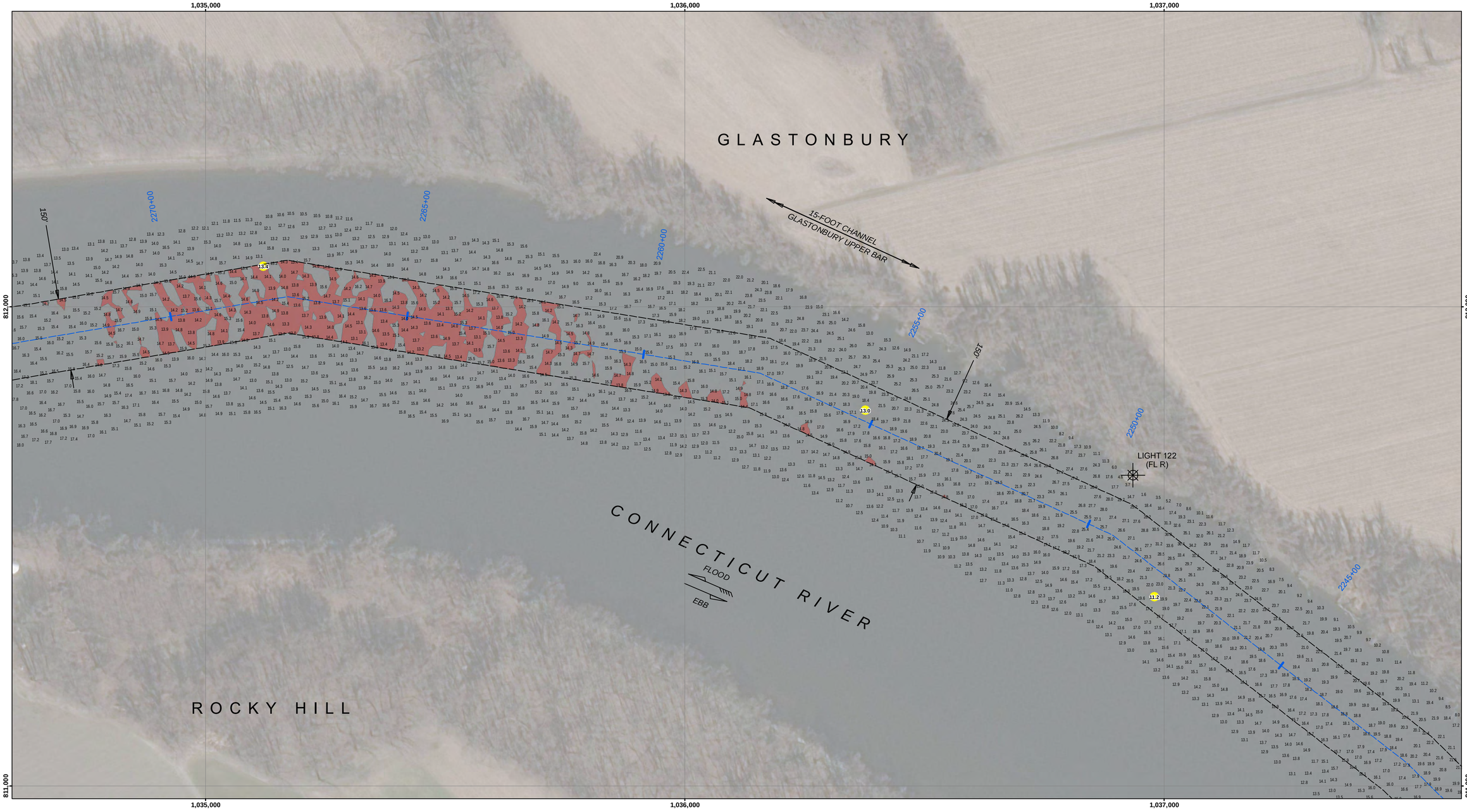
CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

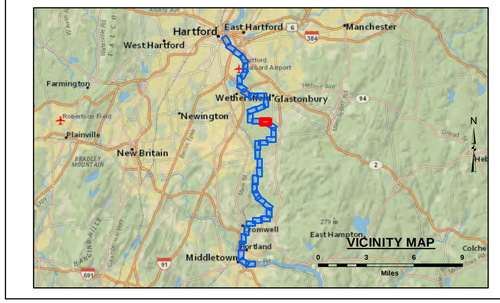
15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to
Sheet 23 of 40

Revison Number: 4.1-20191105





LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE
100 0 100 200
1" = 100' Feet

N
W E
S

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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Project Remarks
Federal navigation project not surveyed in its entirety, survey covers Portland Bar to Hartford Bar.

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US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT: CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 24 of 40

Revison Number: 4.1-20191105

1,032,000 1,033,000 1,034,000

812,000

GLASTONBURY

WETHERSFIELD

CONNECTICUT RIVER

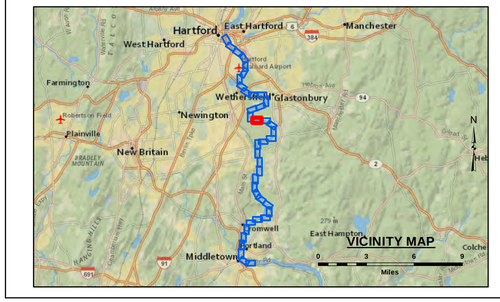
2300+00 2295+00 2290+00 2285+00 2280+00 2275+00

FLOOD

EBB

15-FOOT CHANNEL
GLASTONBURY UPPER BAR

150'



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

N W E S

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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Project Remarks

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US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT:
CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to

Sheet 25 of 40

Revison Number: 4.1-20191105

814,000 813,000 812,000

1,031,000

GLASTONBURY

WETHERSFIELD

CONNECTICUT RIVER

2325+00 2320+00 2315+00 2310+00 2305+00

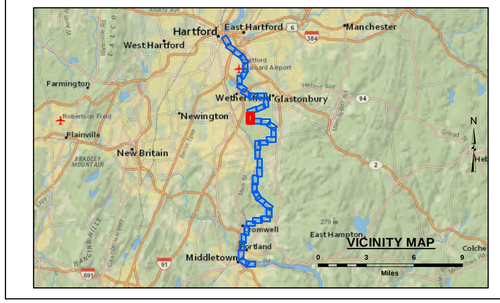
FLOOD

EBB

LIGHT 125
(FL R 4S)

814,000 813,000 812,000

1,031,000



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

N E S W

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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US Army Corps of Engineers
District: CENAE

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NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT:
CT_08_CRB_20201220_CS_070

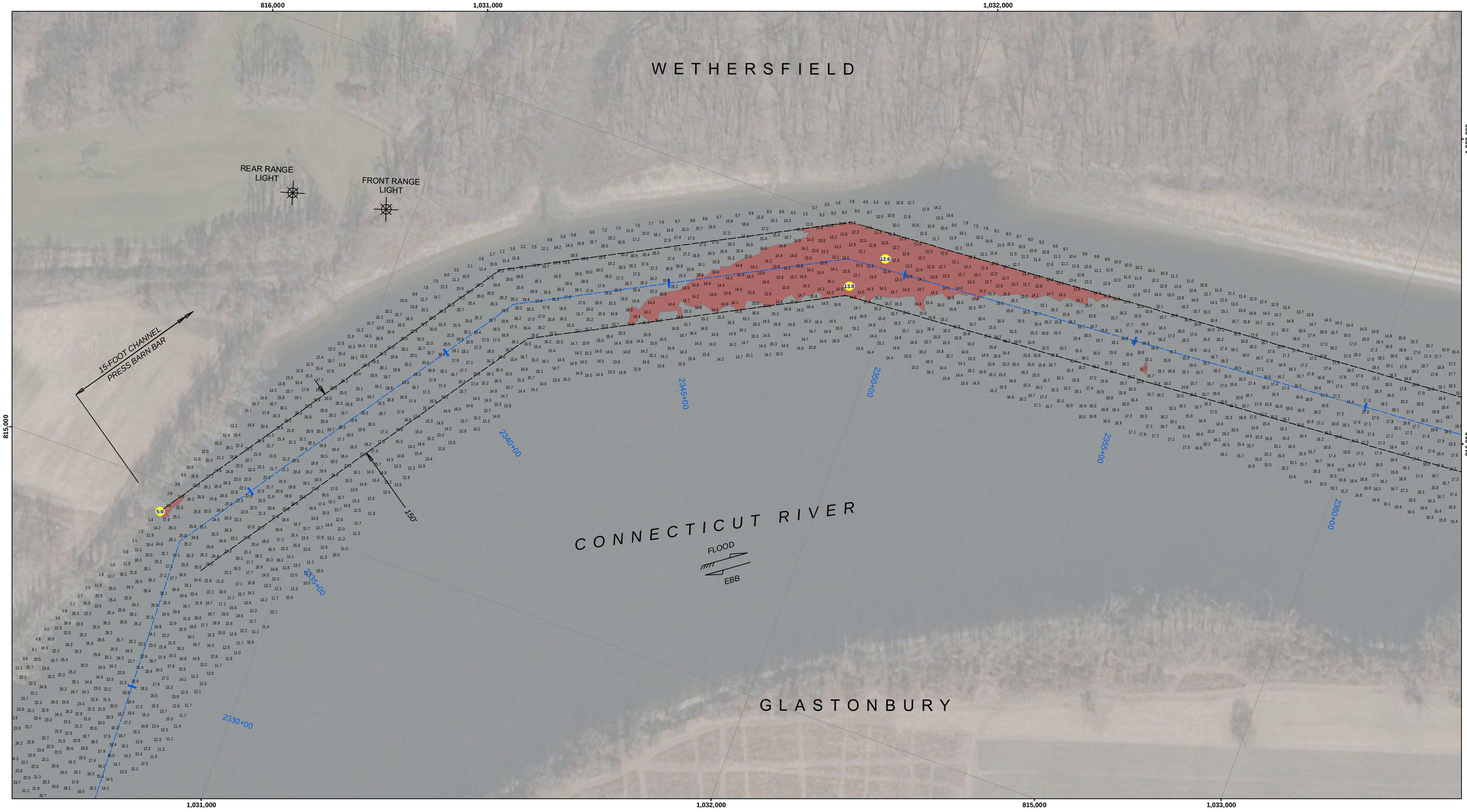
CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

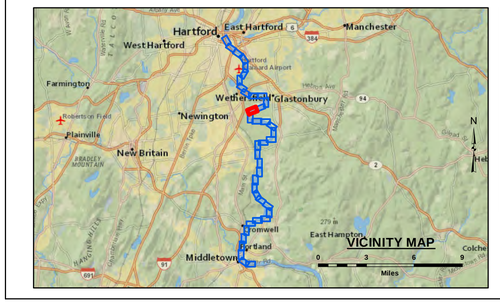
15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 26 of 40

Revison Number: 4.1-20191105





LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
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- Contour Line
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- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrograhpic Survey

GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

N W E S

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
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Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
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Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/2/2021
SIZE: ANSI D
MAP DOCUMENT: CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to

Sheet 27 of 40

Revison Number: 4.1-20191105

1,033,000 817,000 1,034,000 1,035,000

WETHERSFIELD

CONNECTICUT RIVER

GLASTONBURY

15-FOOT CHANNEL
PRESS BARN BAR

FLOOD
EBB

1,033,000 816,000 1,034,000 817,000 1,035,000 1,036,000

2850+00 2875+00 2900+00 2925+00 2950+00 2975+00 3000+00 3025+00 3050+00 3075+00 3100+00 3125+00 3150+00 3175+00 3200+00 3225+00 3250+00 3275+00 3300+00 3325+00 3350+00 3375+00 3400+00 3425+00 3450+00 3475+00 3500+00 3525+00 3550+00 3575+00 3600+00 3625+00 3650+00 3675+00 3700+00 3725+00 3750+00 3775+00 3800+00 3825+00

819,000 818,000 817,000

1,037,000 1,036,000

GLASTONBURY

CONNECTICUT RIVER

CABLE AREA

CABLE AREA

FLOOD

EBB

CROW POINT

CROW POINT COVE

LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

N E S W

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
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US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT: CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 29 of 40

Revison Number: 4.1-20191105

1,034,000 1,035,000 1,036,000

821,000 820,000

GLASTONBURY

KEENEY COVE

15-FOOT CHANNEL
NAUBUC BAR

2430+00 2435+00 2440+00 2445+00 2450+00 2425+00

150'

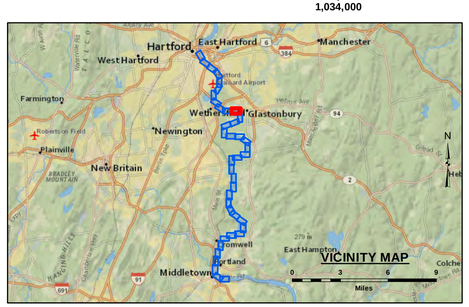
4.4 7.2

CONNECTICUT RIVER

FLOOD
EBB

CABLE AREA

WETHERSFIELD



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE
1" = 100'
100 0 100 200 Feet

N W E S

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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Project Remarks
Federal navigation project not surveyed in its entirety, survey covers Portland Bar to Hartford Bar.

Water Level Information
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US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
ISSUE DATE: 2/3/2021
SIZE: ANSI D
MAP DOCUMENT: CT_08_CRB_20201220_CS_070

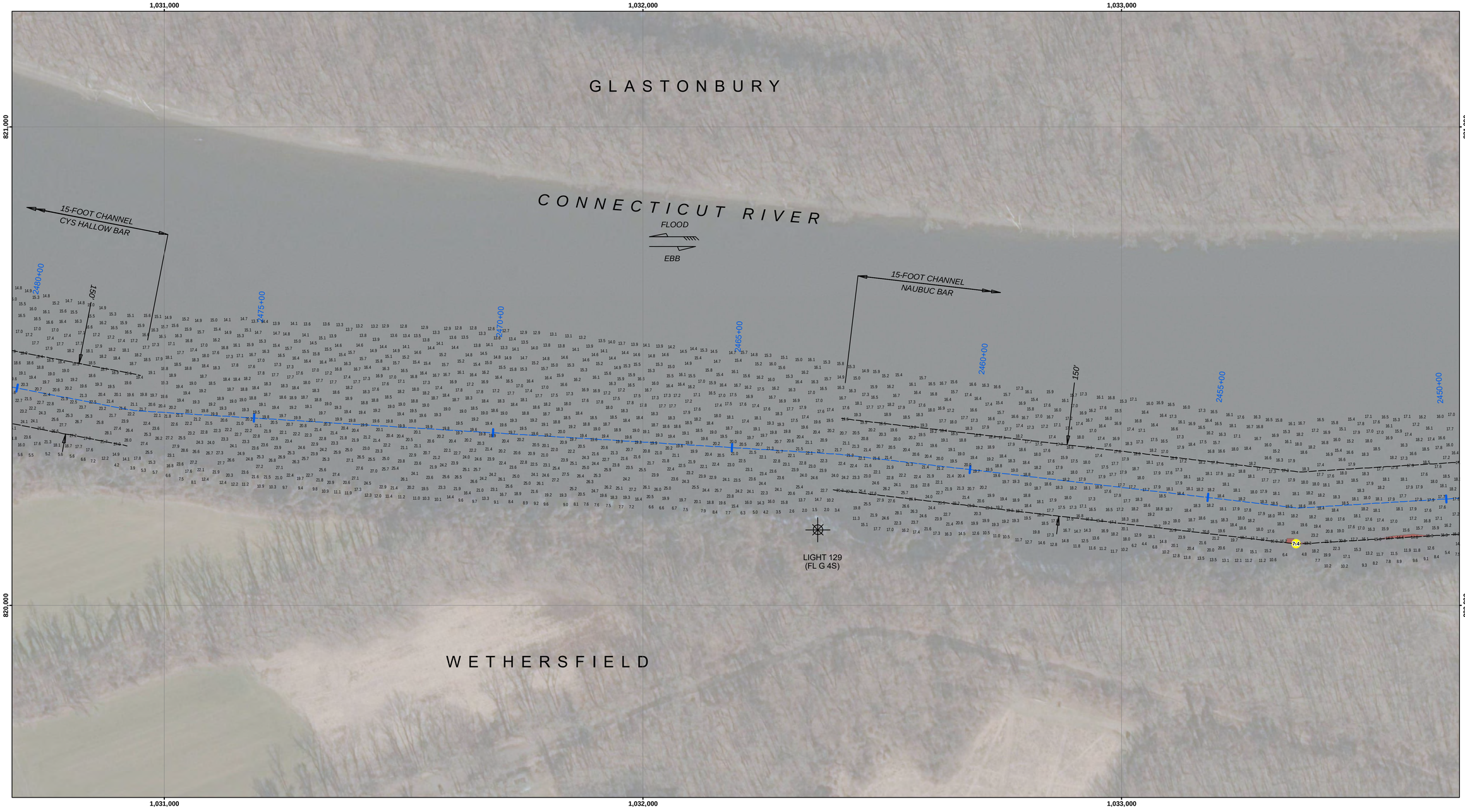
CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

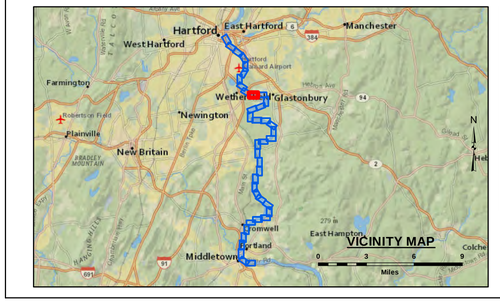
15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to
Sheet 30 of 40

Revison Number: 4.1-20191105





LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE
1" = 100'
100 0 100 200 Feet

N W E S

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SIZE: ANSI D
MAP DOCUMENT: CT_08_CRB_20201220_CS_070

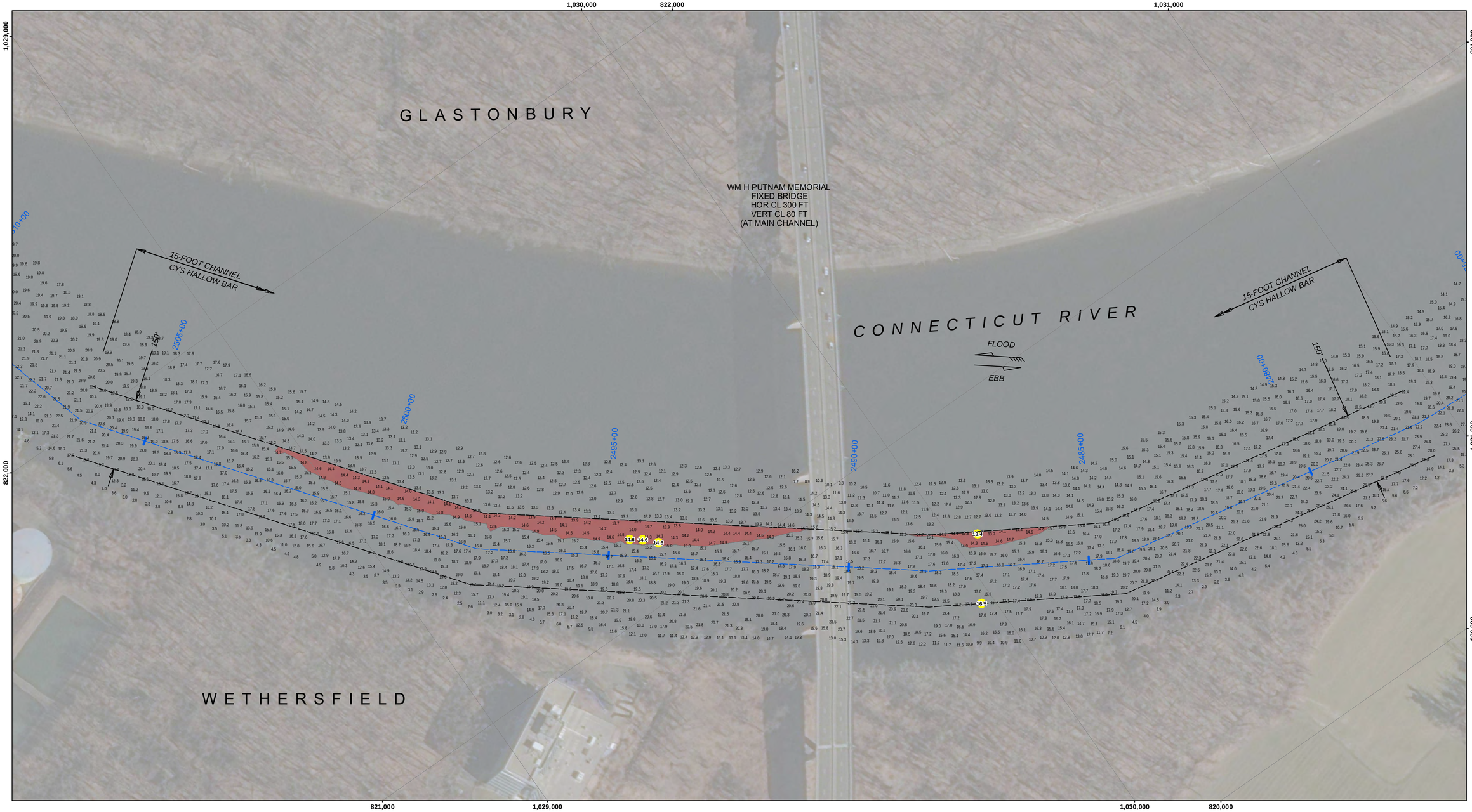
CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

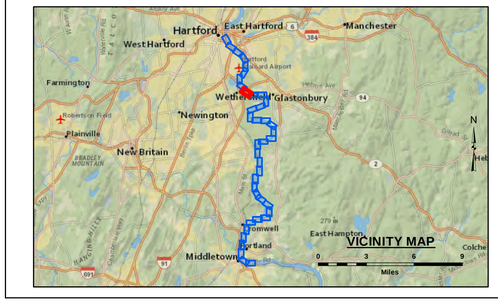
15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to
Sheet 31 of 40

Revison Number: 4.1-20191105





LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100'

100 0 100 200 Feet

N E S W

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/2/2021
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SIZE: ANSI D
MAP DOCUMENT: CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to

Sheet 32 of 40

Revison Number: 4.1-20191105

CORPS OF ENGINEERS

U.S. ARMY

1,028,000 824,000 1,029,000 823,000 1,030,000

1,030,000

824,000

1,027,000

822,000

1,027,000 1,028,000 822,000 1,029,000

GLASTONBURY

WETHERSFIELD

CONNECTICUT RIVER

FLOOD

EBB

2530+00

2525+00

2520+00

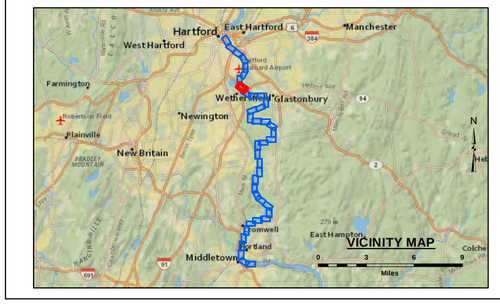
2515+00

2510+00

2505+00

15-FOOT CHANNEL
CYS HALLOW BAR

150'



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100'

100 0 100 200 Feet

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT:
CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to

Sheet 33 of 40

Revison Number: 4.1-20191105

827,000 826,000 825,000 824,000

1,028,000 1,027,000

CONNECTICUT RIVER

GLASTONBURY

WETHERSFIELD

FLOOD

EBB

2555+00 2550+00 2545+00 2540+00 2535+00 2530+00

150' 150'

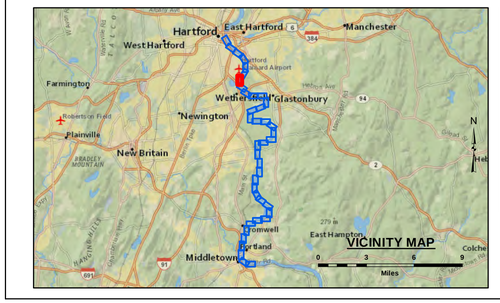
15-FOOT CHANNEL
WETHERSFIELD SHOAL

PIPELINE AREA

WETHERSFIELD COVE
6-FOOT CHANNEL
(REFER TO CT 12 CRB)

LIGHT 135
(FL G 2.5S)

10.2 12.2 10.9



LEGEND

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- Obstruction Point
- Red Navigation Buoy
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- Shoaling Area
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** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE
100 0 100 200
1" = 100' Feet

N E S W

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
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Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT: CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to

Sheet 34 of 40

Revison Number: 4.1-20191105

CORPS OF ENGINEERS U.S. ARMY

828,000 1,030,000 827,000 826,000 1,029,000

1,030,000 829,000 826,000 1,028,000

EAST HARTFORD

15-FOOT CHANNEL
CLAY BANKS BAR

15-FOOT CHANNEL
WETHERSFIELD SHOAL

LIGHT 140
(FL R 4S)

LIGHT 138
(FL R 4S)

150'

2580+00 2575+00 2570+00 2565+00 2560+00

10.1 8.0 8.4

CONNECTICUT RIVER

FLOOD
EBB

HARTFORD

HARTFORD - BRAINARD
AIRPORT

1,029,000 829,000 828,000 1,028,000 827,000

LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

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Project Remarks
Federal navigation project not surveyed in its entirety, survey covers Portland Bar to Hartford Bar.

Water Level Information
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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT: CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to
Sheet 35 of 40

Revison Number: 4.1-20191105

CORPS OF ENGINEERS

U.S. ARMY

831,000

830,000

829,000

1,030,000

1,029,000

EAST HARTFORD

15-FOOT CHANNEL
CLAY BANKS BAR

2610+00

2605+00

2600+00

2595+00

2590+00

2585+00

150'

LIGHT 140
(FL R 4S)

10.1

8.0

8.4

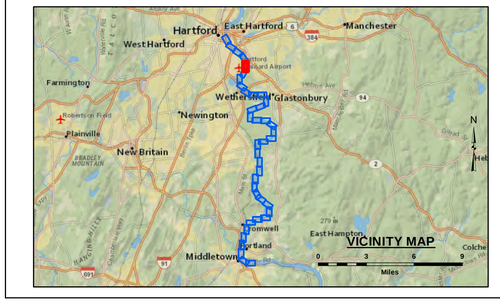
CONNECTICUT RIVER

FLOOD

EBB

HARTFORD

HARTFORD - BRAINARD
AIRPORT



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100'

100 0 100 200 Feet

N E S W

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
Reference NOAA Chart No.: 12378

The information depicted on these charts represents the results of surveys made on the dates indicated, and can only be considered as indicating the conditions existing at that time.

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Project Remarks

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Water Level Information

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SIZE: ANSI D

MAP DOCUMENT:
CT_08_CRB_20201220_CS_070

CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

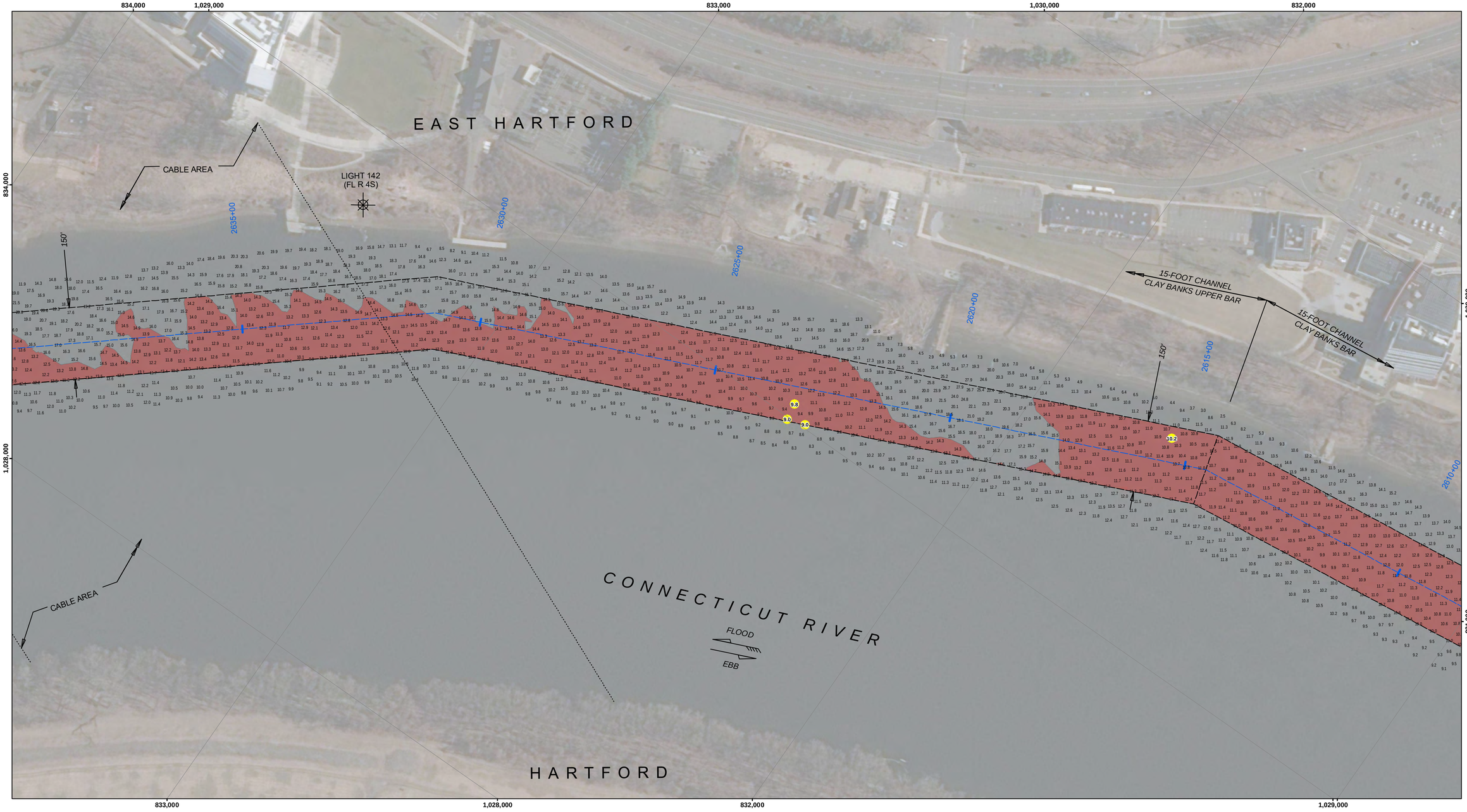
15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to

Sheet 36 of 40

Revison Number: 4.1-20191105



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4088
Survey No.: CT_08_CRB_20201220_CS_070
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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
MAP DOCUMENT: CT_08_CRB_20201220_CS_070
SIZE: ANSI D

CONNECTICUT RIVER, BELOW HARTFORD MIDDLETOWN TO HARTFORD, CONNECTICUT CONDITION SURVEY

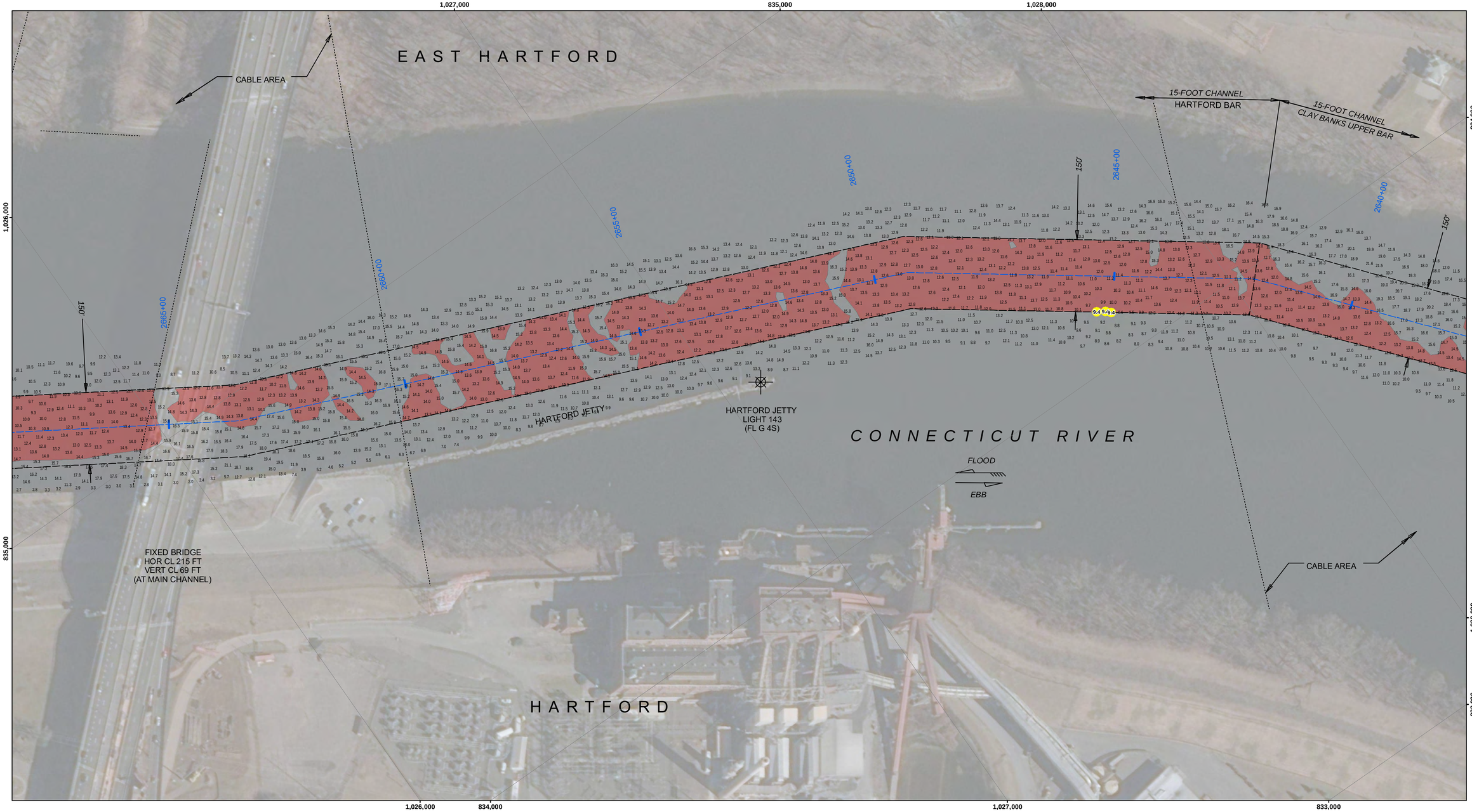
15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to

Sheet 37 of 40

Revison Number: 4.1-20191105



LEGEND

- Federal Navigation Channel
- Cable or Pipeline area
- Channel Center Line
- Marine Infrastructure*
- Contour Line
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- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrograhpic Survey

GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

N E S W

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/2/2021
MAP DOCUMENT: CT_08_CRB_20201220_CS_070
SIZE: ANSI D

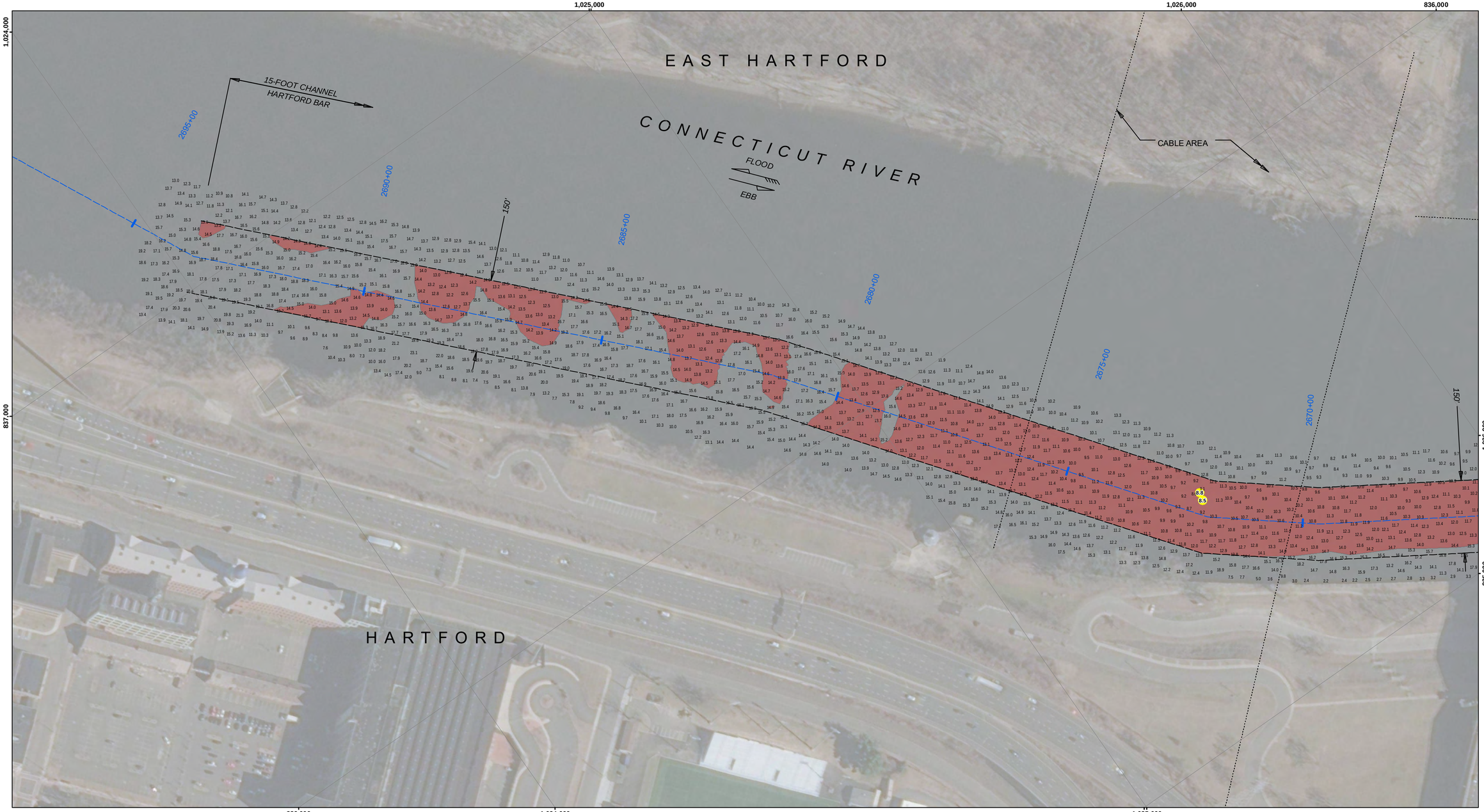
CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River
Middletown to
Sheet 38 of 40

Revison Number: 4.1-20191105



LEGEND

- Federal Navigation Channel
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GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

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Horizontal Datum: Connecticut, CT-0600 NAD 83
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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 2/3/2021
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
MAP DOCUMENT: CT_08_CRB_20201220_CS_070
SIZE: ANSI D

CONNECTICUT RIVER, BELOW HARTFORD
MIDDLETOWN TO HARTFORD,
CONNECTICUT
CONDITION SURVEY

15-FOOT CHANNEL

File Name: CT_08_CRB_20201220_CS_070

SHEET IDENTIFICATION
Connecticut River Middletown to

Sheet 39 of 40

Revison Number: 4.1-20191105