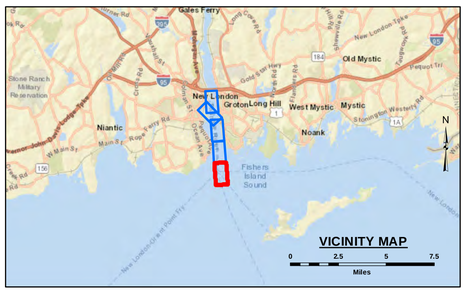

LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Pipes (Gas/Sewer)
- Contour Line
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding**
- Beacon, General
- Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy

** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

1" = 200' 200 0 200 400 Feet

Notes:
Horizontal Datum: Connecticut, CT-0600
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: Celestial
Sonar System: R2 Sonic 2024 (multibeam)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS TIDES
GPS_System: Leica 1200 (RTK)
RTK Base Station: Station State Pier (2007)
Software Used: Hypack
Sounding Sort Distance: 40'
Field Books: R&H 4468
Survey No.: 15-1351
Reference NOAA Chart No.: 12372 & 13213

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General Notes
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Project Remarks
None.

Bench Mark Information
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US Army Corps of Engineers
District: CENAE

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NEW ENGLAND DISTRICT

SUBMITTED BY: Arthur Barnes
APPROVED BY: Chief of Survey
SURVEYED BY: ____
CHECKED BY: ____
ISSUE DATE: 3/12/2018
MAP DOCUMENT: CT_03_NLH_20150107_CS_40
SIZE: ANSI D

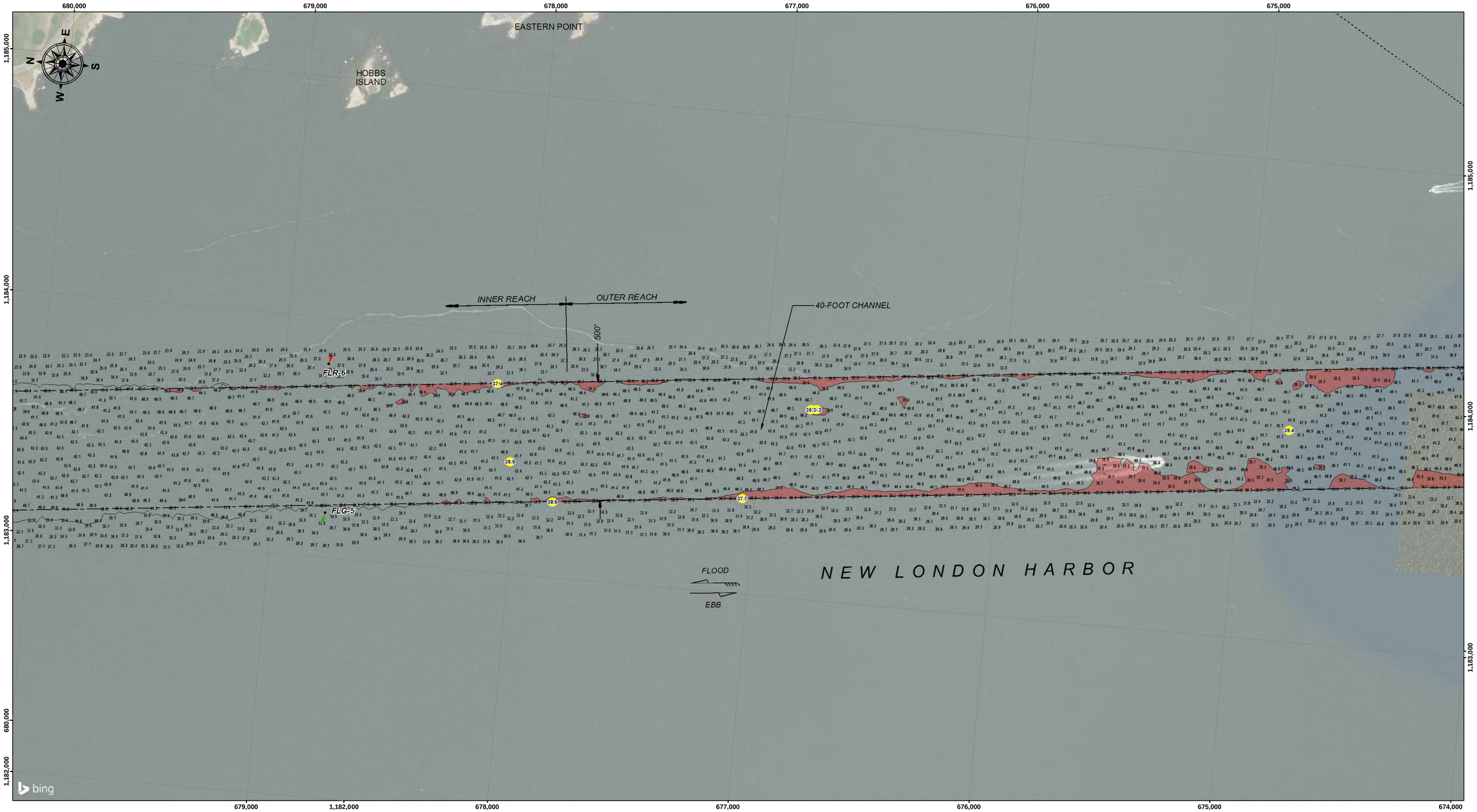
NEW LONDON HARBOR
NEW LONDON AND GROTON, CT
CONDITION SURVEY
15,23,36 AND 40-FOOT CHANNELS, 23 AND 40-FOOT ANCHORAGES, 15-FOOT BASIN AND 23-FOOT MANEUVERING AREA

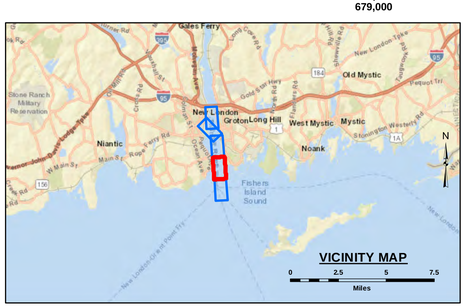
File Name: CT_03_NLH_20150107_CS_40

SHEET IDENTIFICATION
New London Harbor

Sheet 1 of 5

Revison Number: 3.161-20180112





LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Pipes (Gas/Sewer)
- Contour Line
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding**
- Beacon, General
- Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy

** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

1" = 200' 200 0 200 400 Feet

Notes:

Horizontal Datum: Connecticut, CT-0600
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: Celestial
Sonar System: R2 Sonic 2024 (multibeam)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS TIDES
GPS_System: Leica 1200 (RTK)
RTK Base Station: Station State Pier (2007)
Software Used: Hypack
Sounding Sort Distance: 40'
Field Books: R&H 4468
Survey No.: 15-1351
Reference NOAA Chart No.: 12372 & 13213

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General Notes

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Project Remarks

None.

Bench Mark Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project were established in the vicinity of NOAA Bench Marks at New London, Thames River, Connecticut (Station ID 8461490, 04/21/2003)). NAVD88 is above MLLW; therefore corrections should be added to NAVD88 to convert to MLLW. No tide gauges were used on this project. The mean range of tide is 2.6 feet.

US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Arthur Barnes
APPROVED BY: Chief of Survey

SURVEYED BY: ____
CHECKED BY: ____

ISSUE DATE: 3/12/2018

MAP DOCUMENT: CT_03_NLH_20150107_CS_40

SIZE: ANSI D

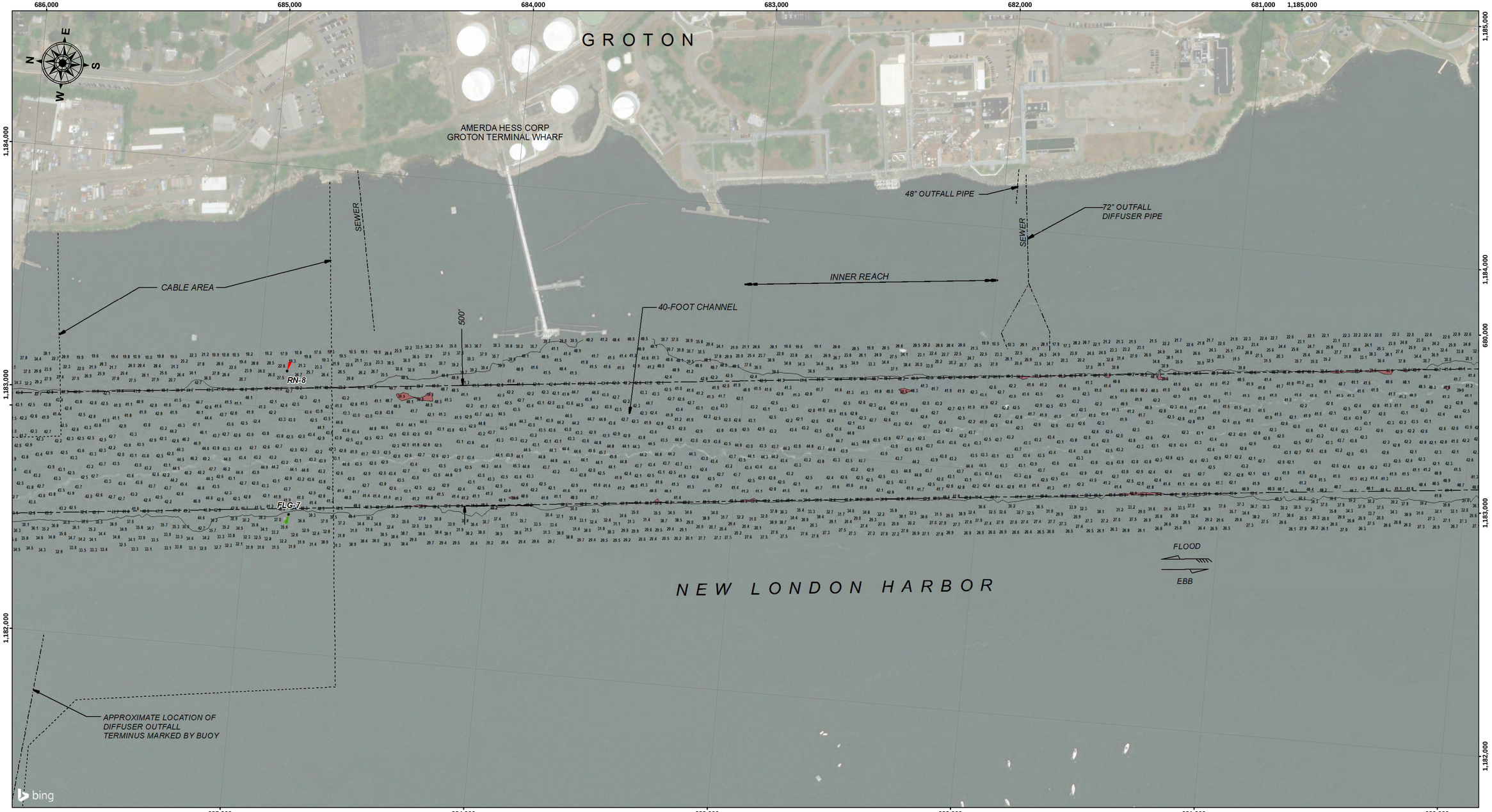
NEW LONDON HARBOR
NEW LONDON AND GROTON, CT
CONDITION SURVEY
15,23,36 AND 40-FOOT CHANNELS, 23 AND 40-FOOT ANCHORAGES, 15-FOOT BASIN AND 23-FOOT MANEUVERING AREA

File Name: CT_03_NLH_20150107_CS_40

SHEET IDENTIFICATION
New London Harbor

Sheet 2 of 5

Revison Number: 3.161-20180112



LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Pipes (Gas/Sewer)
- Contour Line
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding**
- Beacon, General
- Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy

** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

Notes:

Horizontal Datum: Connecticut, CT-0600
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: Celestial
Sonar System: R2 Sonic 2024 (multibeam)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS TIDES
GPS_System: Leica 1200 (RTK)
RTK Base Station: Station State Pier (2007)
Software Used: Hypack
Sounding Sort Distance: 40'
Field Books: R&H 4468
Survey No.: 15-1351
Reference NOAA Chart No.: 12372 & 13213

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

The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during January through March 2015. The sounding information depicted on this map represents the results of surveys made on the dates indicated, and can only be considered as indicating the conditions existing at that time.

Project Remarks

None.

Bench Mark Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project were established in the vicinity of NOAA Bench Marks at New London, Thames River, Connecticut (Station ID 8461490, 04/21/2003)). NAVD88 is above MLLW; therefore corrections should be added to NAVD88 to convert to MLLW. No tide gauges were used on this project. The mean range of tide is 2.6 feet.

US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Arthur Barnes
APPROVED BY: Chief of Survey
SURVEYED BY:
CHECKED BY:
ISSUE DATE: 3/12/2018
SIZE: ANSI D
MAP DOCUMENT: CT_03_NLH_20150107_CS_40

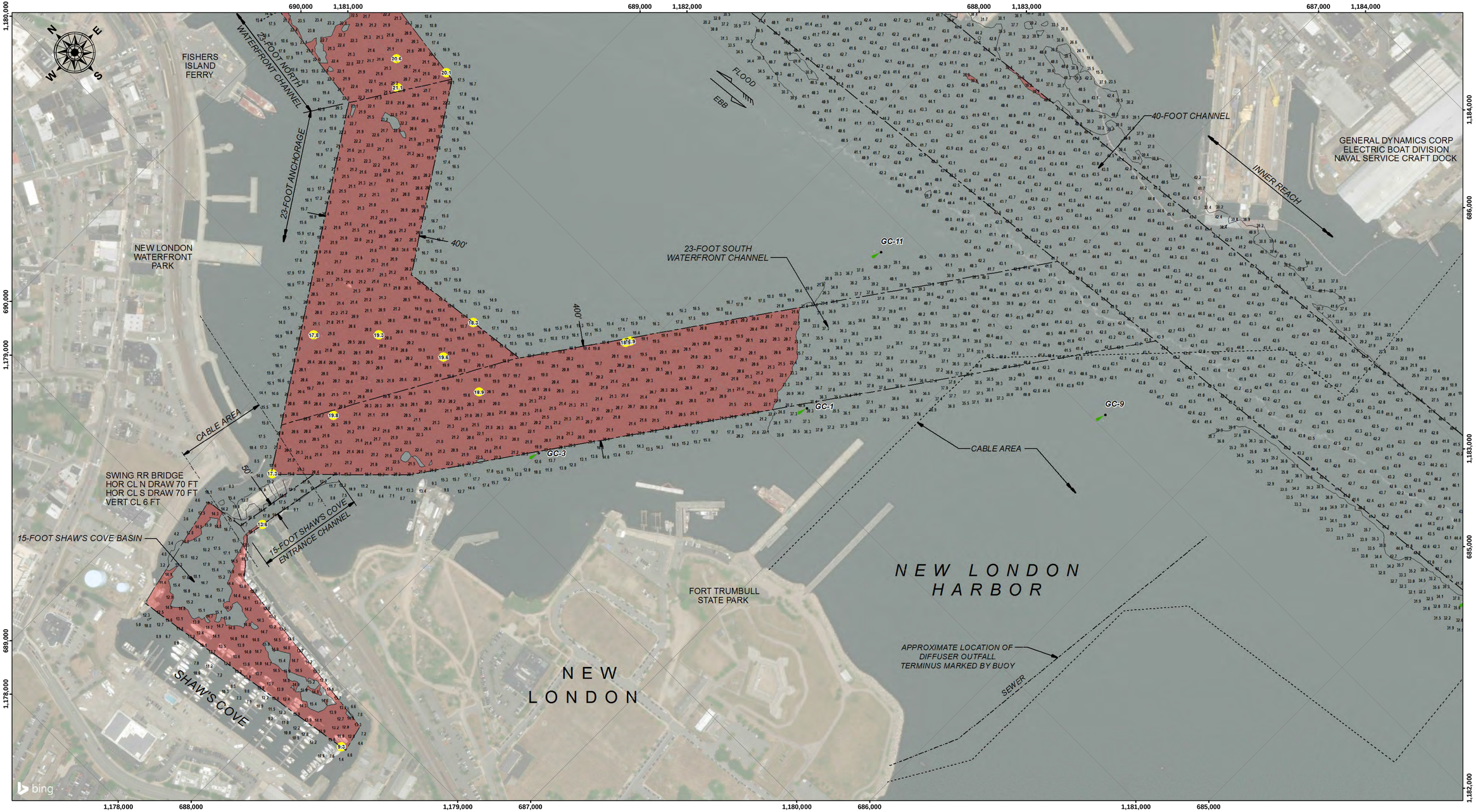
NEW LONDON HARBOR
NEW LONDON AND GROTON, CT
CONDITION SURVEY
15,23,36 AND 40-FOOT CHANNELS, 23 AND 40-FOOT ANCHORAGES, 15-FOOT BASIN AND 23-FOOT MANEUVERING AREA

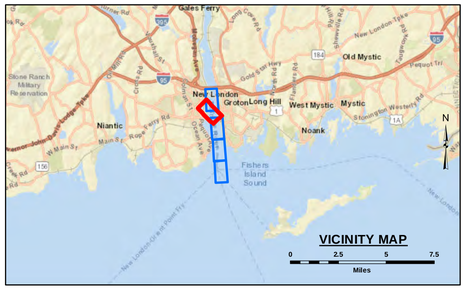
File Name: CT_03_NLH_20150107_CS_40

SHEET IDENTIFICATION
New London Harbor

Sheet 3 of 5

Revison Number: 3.161-20180112





LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Pipes (Gas/Sewer)
- Contour Line
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding**
- Beacon, General
- Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy

** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

1" = 200' 200 0 200 400 Feet

Notes:
Horizontal Datum: Connecticut, CT-0600
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: Celestial
Sonar System: R2 Sonic 2024 (multibeam)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS TIDES
GPS_System: Leica 1200 (RTK)
RTK Base Station: Station State Pier (2007)
Software Used: Hypack
Sounding Sort Distance: 40'
Field Books: R&H 4468
Survey No.: 15-1351
Reference NOAA Chart No.: 12372 & 13213

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Project Remarks
None.

Bench Mark Information
Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project were established in the vicinity of NOAA Bench Marks at New London, Thames River, Connecticut (Station ID 8461490, 04/21/2003)). NAVD88 is above MLLW; therefore corrections should be added to NAVD88 to convert to MLLW. No tide gauges were used on this project. The mean range of tide is 2.6 feet.

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Arthur Barnes
APPROVED BY: Chief of Survey
SURVEYED BY: ____
CHECKED BY: ____
ISSUE DATE: 3/12/2018
MAP DOCUMENT: CT_00_NLH_20150107_CS_40
SIZE: ANSI D

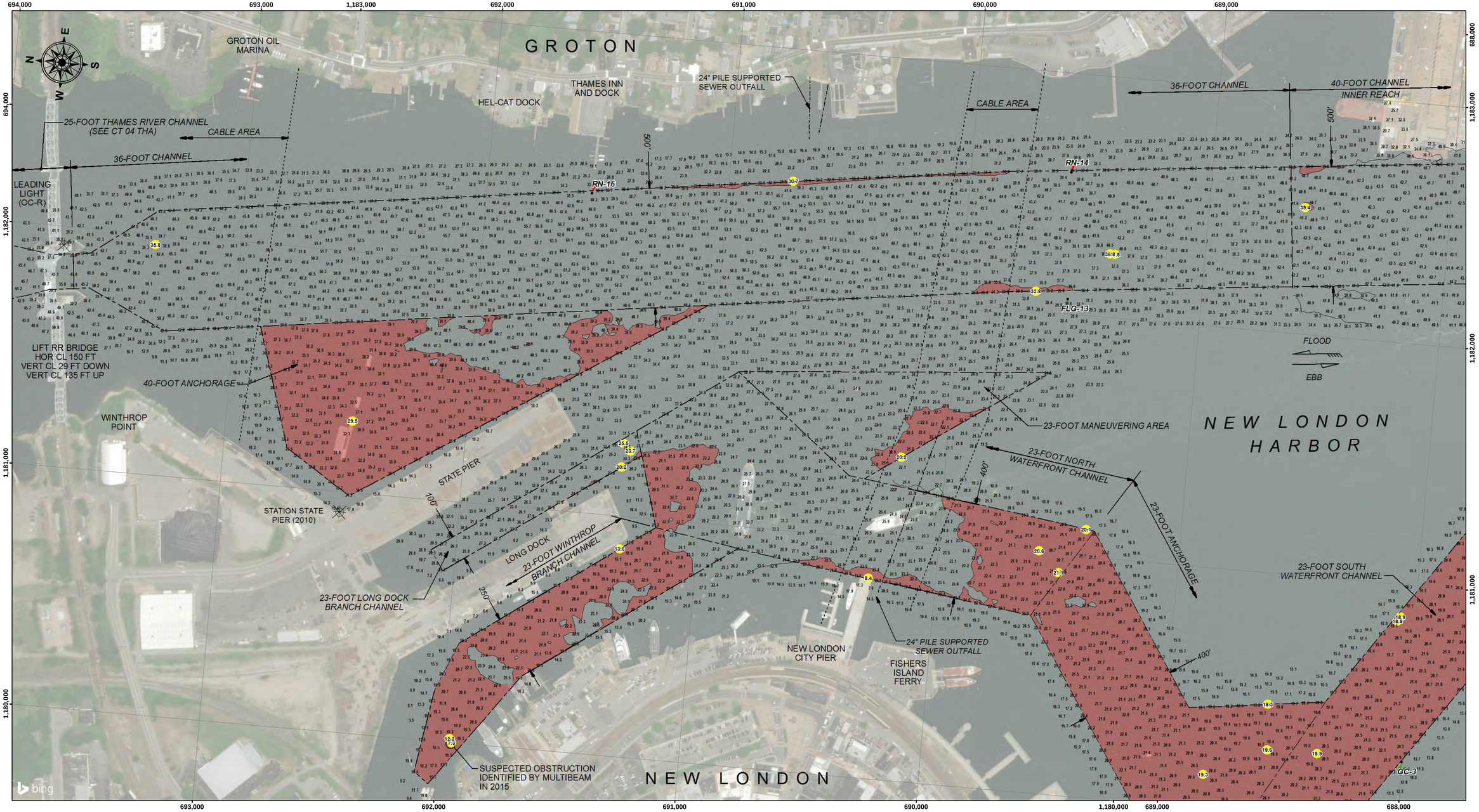
NEW LONDON HARBOR
NEW LONDON AND GROTON, CT
CONDITION SURVEY
15,23,36 AND 40-FOOT CHANNELS, 23 AND 40-FOOT ANCHORAGES, 15-FOOT BASIN AND 23-FOOT MANEUVERING AREA

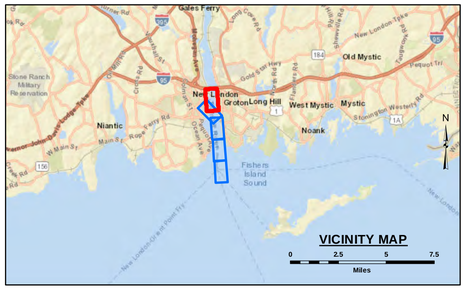
File Name: CT_03_NLH_20150107_CS_40

SHEET IDENTIFICATION
New London Harbor

Sheet 4 of 5

Revison Number: 3.161-20180112





LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Pipes (Gas/Sewer)
- Contour Line
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding**
- Beacon, General
- Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy

** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

1" = 200' 200 0 200 400 Feet

Notes:
Horizontal Datum: Connecticut, CT-0600
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: Celestial
Sonar System: R2 Sonic 2024 (multibeam)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS TIDES
GPS_System: Leica 1200 (RTK)
RTK Base Station: Station State Pier (2007)
Software Used: Hypack
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Survey No.: 15-1351
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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: Arthur Barnes
APPROVED BY: Chief of Survey
SURVEYED BY: ____
CHECKED BY: ____
ISSUE DATE: 3/122018
MAP DOCUMENT: CT_00_NLH_20150107_CS_40
SIZE: ANSI D

NEW LONDON HARBOR
NEW LONDON AND GROTON, CT
CONDITION SURVEY
15,23,36 AND 40-FOOT CHANNELS, 23 AND 40-FOOT ANCHORAGES, 15-FOOT BASIN AND 23-FOOT MANEUVERING AREA

File Name: CT_03_NLH_20150107_CS_40

SHEET IDENTIFICATION
New London Harbor

Sheet 5 of 5

Revison Number: 3.161-20180112