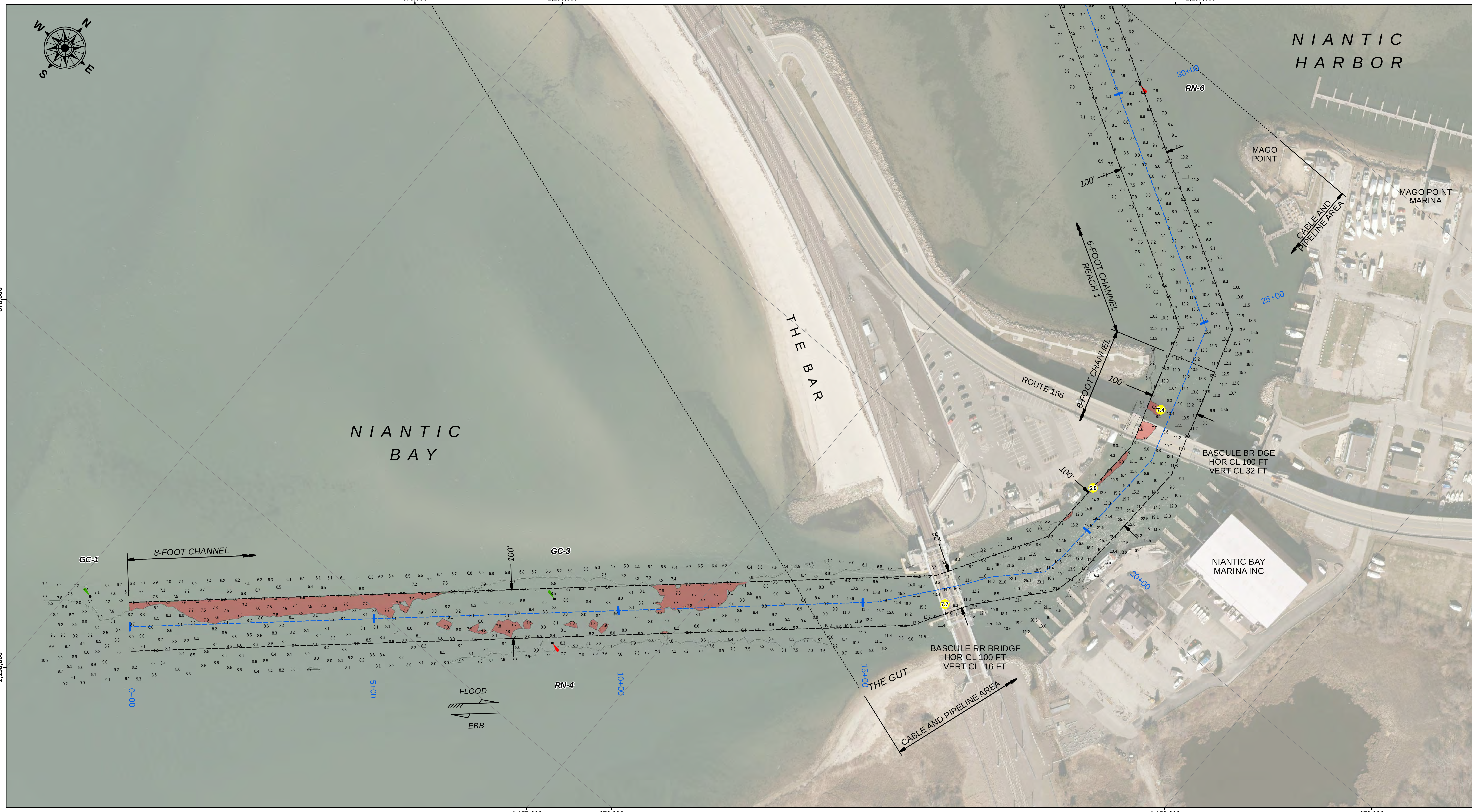

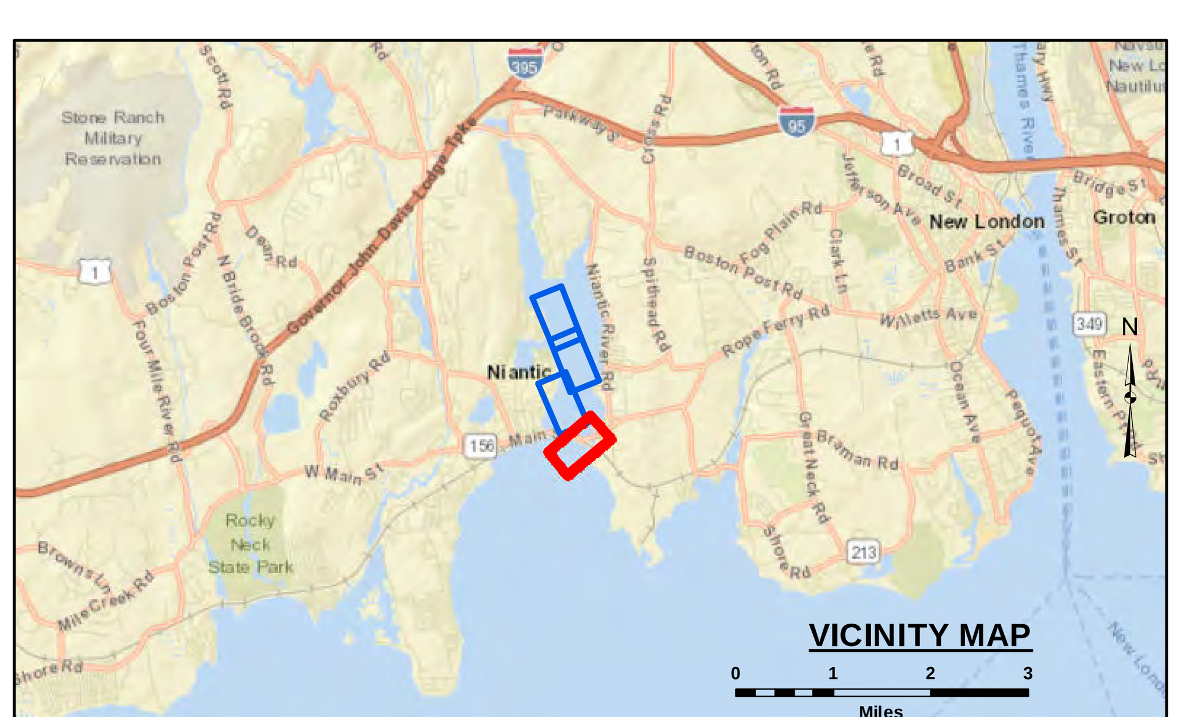

LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable Submarine
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach

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: Station First (2014)
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 3851
Survey No.: NIA_CS_2019_037
Reference NOAA Chart No.: 13211

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

None

Water Level Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 correction used for this project is 1.81 feet. This correction is referenced from NOAA's V-Datum Model Version 3.9, NY/CT/RI Region Version 2.2, in the vicinity of Niantic Bay and Harbor, Connecticut. NAVD88 is above MLLW; therefore the correction should be added to NAVD88 to convert to MLLW. No tide gauges were used on this project.

US Army Corps of Engineers
District: CENAE

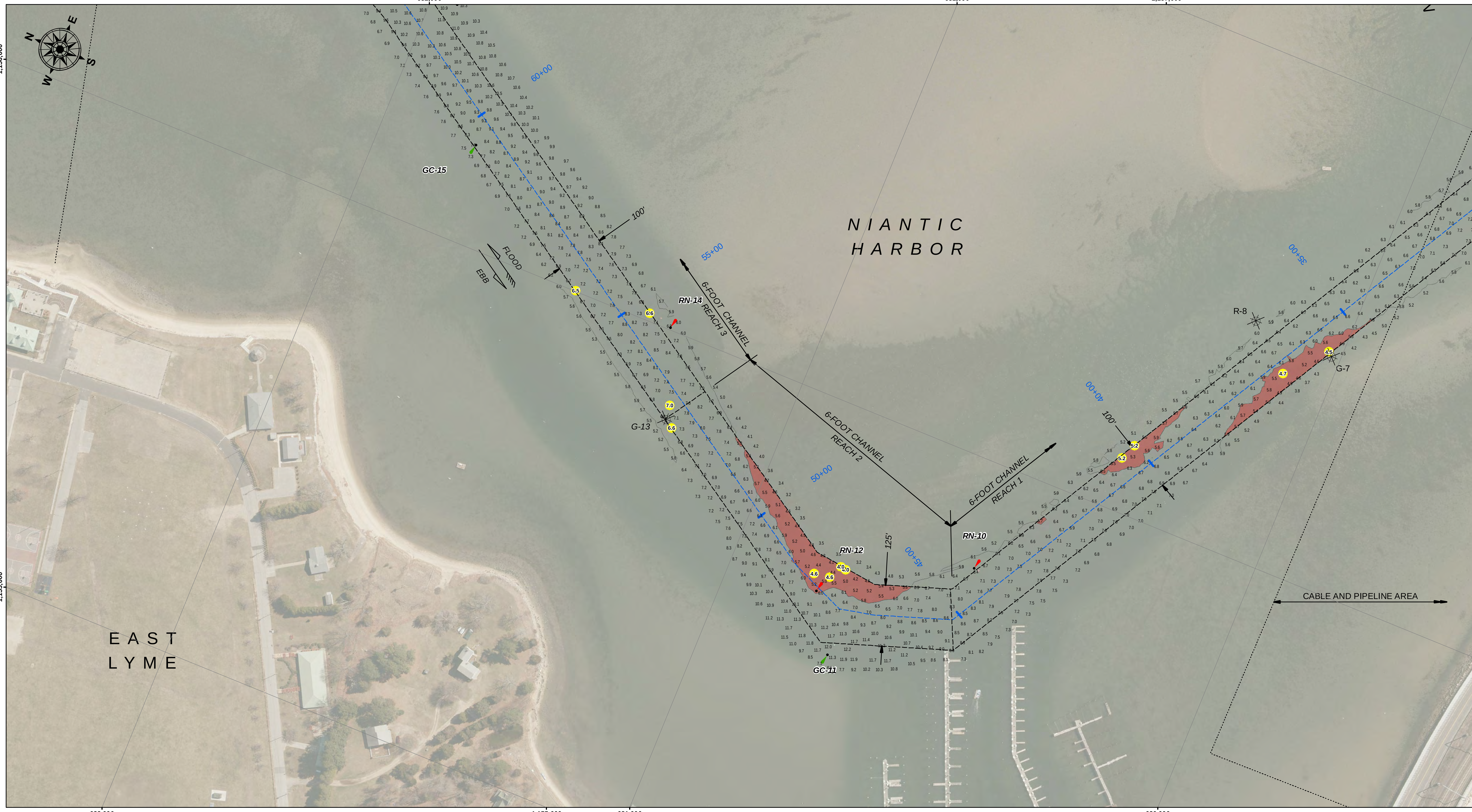
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

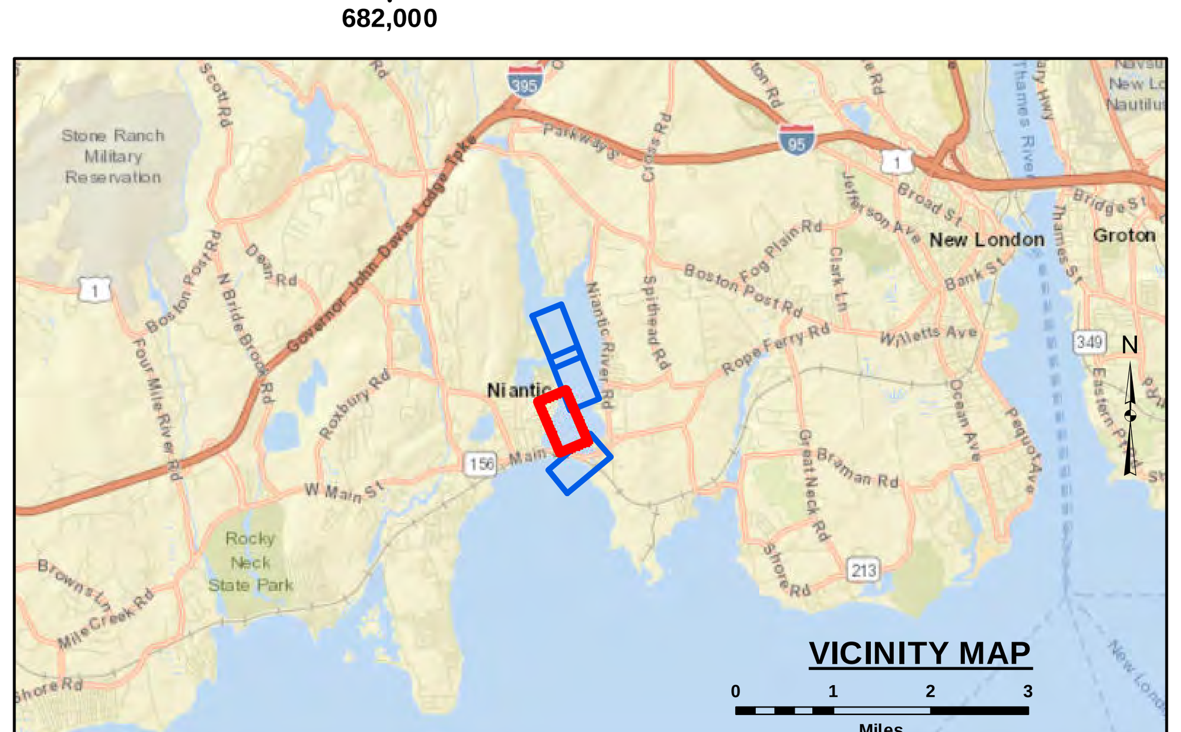
SURVEYED BY: MJV
CHECKED BY: WHW
ISSUE DATE: 9/16/2019
SUBMITTED BY: William Walker
APPROVED BY: NAE Survey
MAP DOCUMENT: CT_05_NIA_20190503_CS_2019_037
SIZE: ANSI D

NIANTIC BAY AND HARBOR
EAST LYME AND WATERFORD, CT
CONDITION SURVEY
6 AND 8-FOOT CHANNELS

File Name: CT_05_NIA_20190503_CS_2019_037

SHEET IDENTIFICATION
Niantic Bay and Harbor
Sheet 1 of 4





LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable Submarine
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach

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: Station First (2014)
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 3851
Survey No.: NIA_CS_2019_037
Reference NOAA Chart No.: 13211

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Project Remarks

None

Water Level Information

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US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: William Walker
APPROVED BY: NAE Survey
SURVEYED BY: MJV
CHECKED BY: WHW
SIZE: ANSI D
MAP DOCUMENT: CT_05_NIA_20190503_CS_2019_037
ISSUE DATE: 9/16/2019

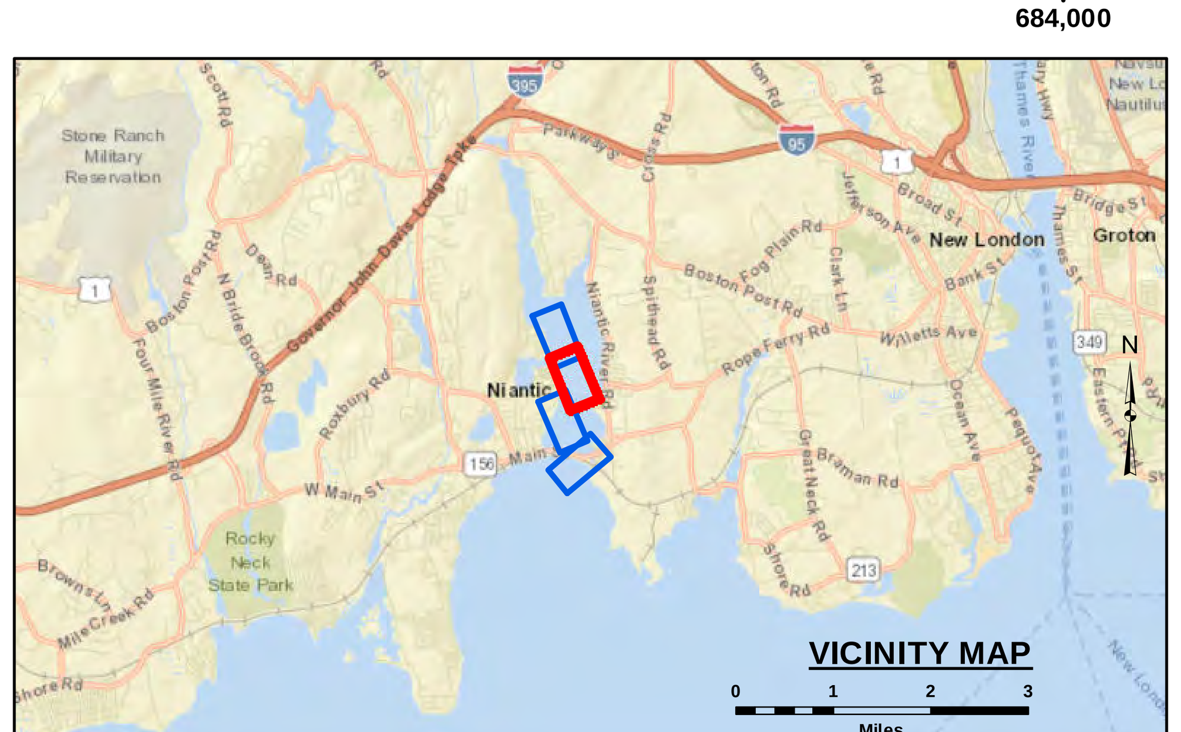
NIANTIC BAY AND HARBOR
EAST LYME AND WATERFORD, CT
CONDITION SURVEY

6 AND 8-FOOT CHANNELS

File Name: CT_05_NIA_20190503_CS_2019_037

SHEET IDENTIFICATION
Niantic Bay and Harbor
Sheet 2 of 4

Revison Number: 4.0-20190322



LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable Submarine
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach

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: Station First (2014)
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 3851
Survey No.: NIA_CS_2019_037
Reference NOAA Chart No.: 13211

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Project Remarks

None

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: WHW
ISSUE DATE: 9/16/2019
SUBMITTED BY: William Walker
APPROVED BY: NAE Survey
MAP DOCUMENT: CT_05_NIA_20190503_CS_2019_037
SIZE: ANSI D

NIANTIC BAY AND HARBOR
EAST LYME AND WATERFORD, CT
CONDITION SURVEY
6 AND 8-FOOT CHANNELS

File Name: CT_05_NIA_20190503_CS_2019_037

SHEET IDENTIFICATION
Niantic Bay and Harbor
Sheet 3 of 4

Revison Number: 4.0-20190322

US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: William Walker	SURVEYED BY: MJV	
APPROVED BY: NAE Survey	CHECKED BY: WHW	
SIZE: ANSI D	MAP DOCUMENT: CT_05_NIA_20190503_CS_2019_037	ISSUE DATE: 9/16/2019

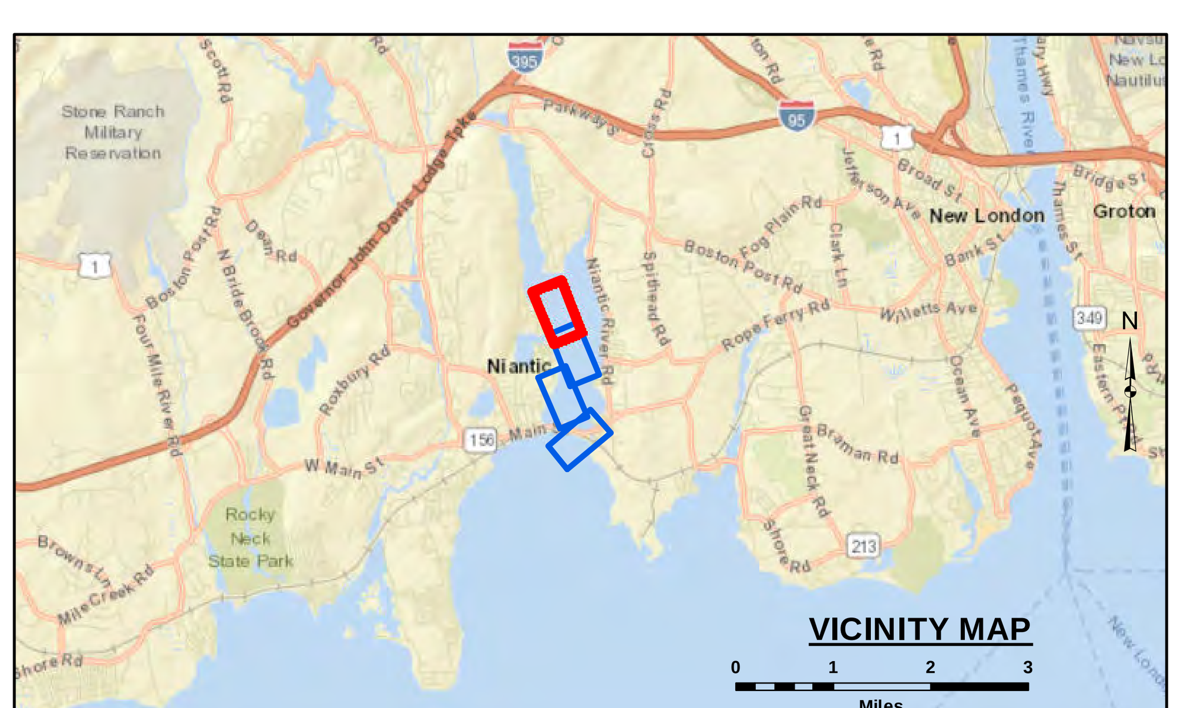
NIANTIC BAY AND HARBOR
EAST LYME AND WATERFORD, CT
CONDITION SURVEY
6 AND 8-FOOT CHANNELS

File Name: CT_05_NIA_20190503_CS_2019_037

SHEET IDENTIFICATION

Niantic Bay and Harbor

Sheet 4 of 4



LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable Submarine
- Contour Line
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- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

100 0 100 200

1" = 100' Feet

Notes:

Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
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Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
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Field Books: R&H 3851
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Reference NOAA Chart No.: 13211

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Project Remarks

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