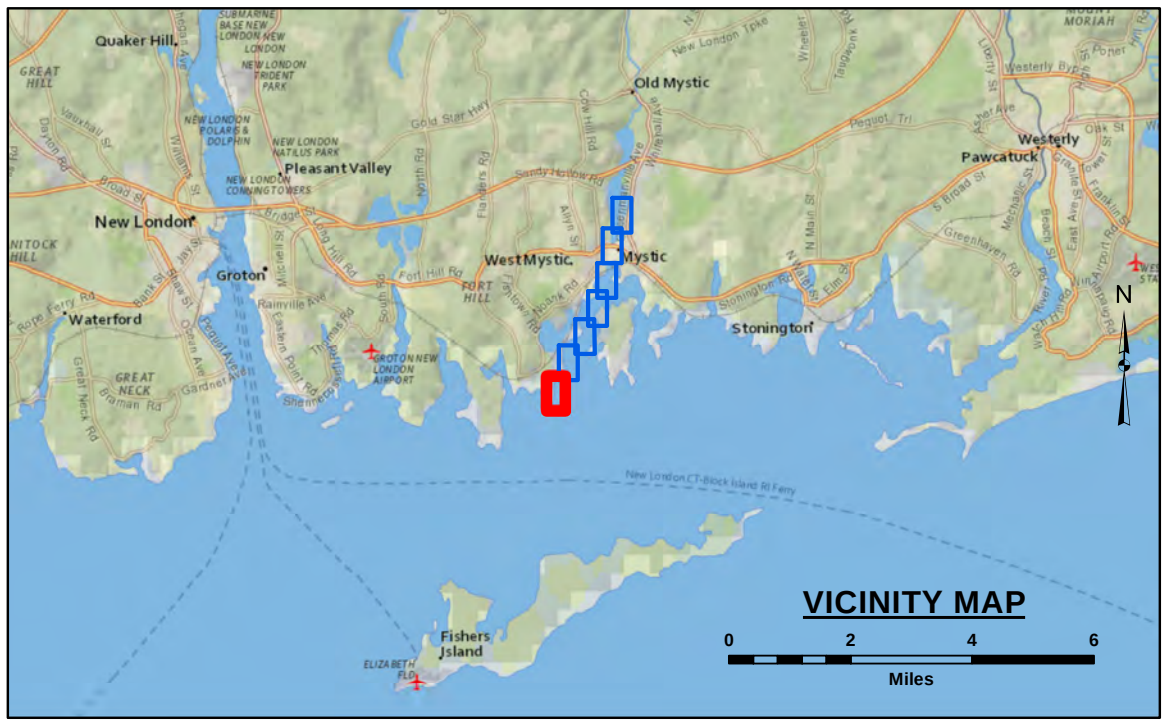




LEGEND

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 5029
Survey No.: CT_02_MYC_20201020_CS_061
Reference NOAA Chart No.: 13214

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 October 2020. 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. The positions of aids to navigation were located during survey operations, are provided for information only and should not be used for navigation. Orthomagey is from a variety of sources and dates and is intended to portray general characteristics of the shoreline and other features. Temporal changes may have occurred since this dataset was collected and some parts may no longer be an accurate representation of the conditions. The information depicted on this map should NOT be used to determine volumes as volumes are determined from more sounding information than shown.

Project Remarks
Marine infrastructure surveyed with Lidar.

Water Level Information
Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project is 1.80 feet. This correction is referenced from NOAA's V-Datum Model Version 4.1, CT/RI Region Version 3.4 in the vicinity of Mystic River, Mystic, 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. The average range of tide is 2.6 feet.



DISCLAIMERS
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were provided. The user is responsible for the results of any use of the data for other than its intended purpose.
Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any use of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT			
SUBMITTED BY: Zachary McAvoy		SURVEYED BY: MAV	
APPROVED BY: NAE Survey		CHECKED BY: ZSM	
SIZE: ANSI D	MAP DOCUMENT: CT_02_MYC_20201020_CS_061		ISSUE DATE: 11/02/2020

**MYSTIC RIVER
MYSTIC, CONNECTICUT
CONDITION SURVEY**

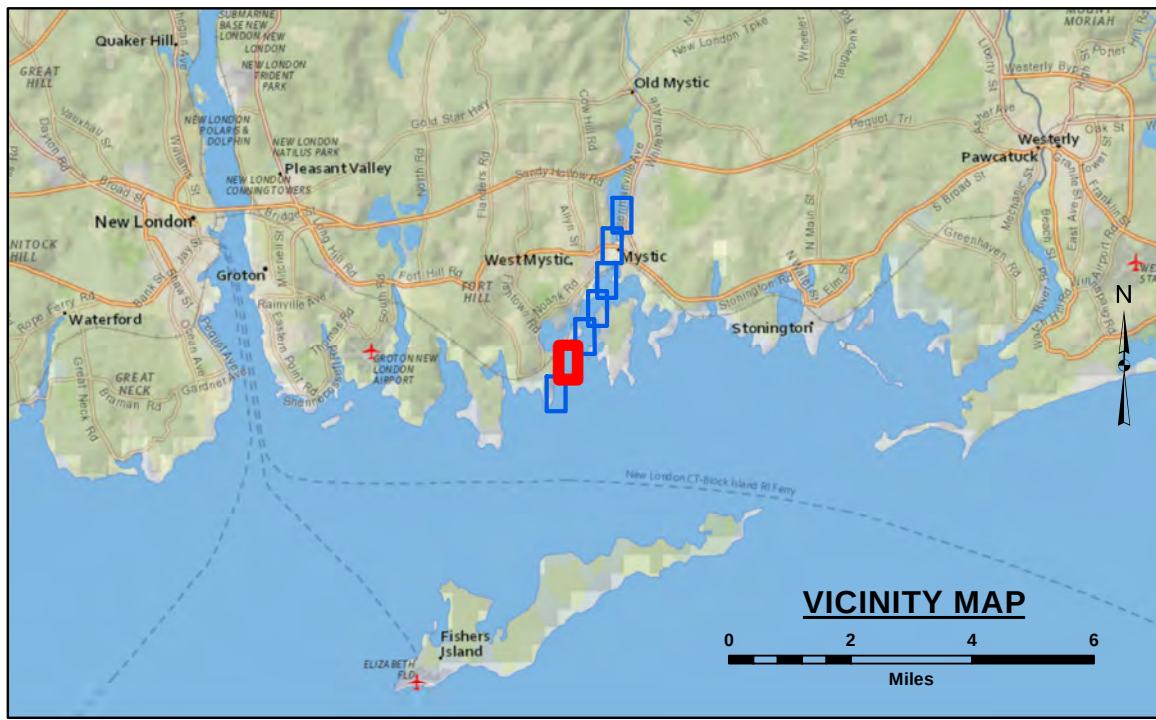
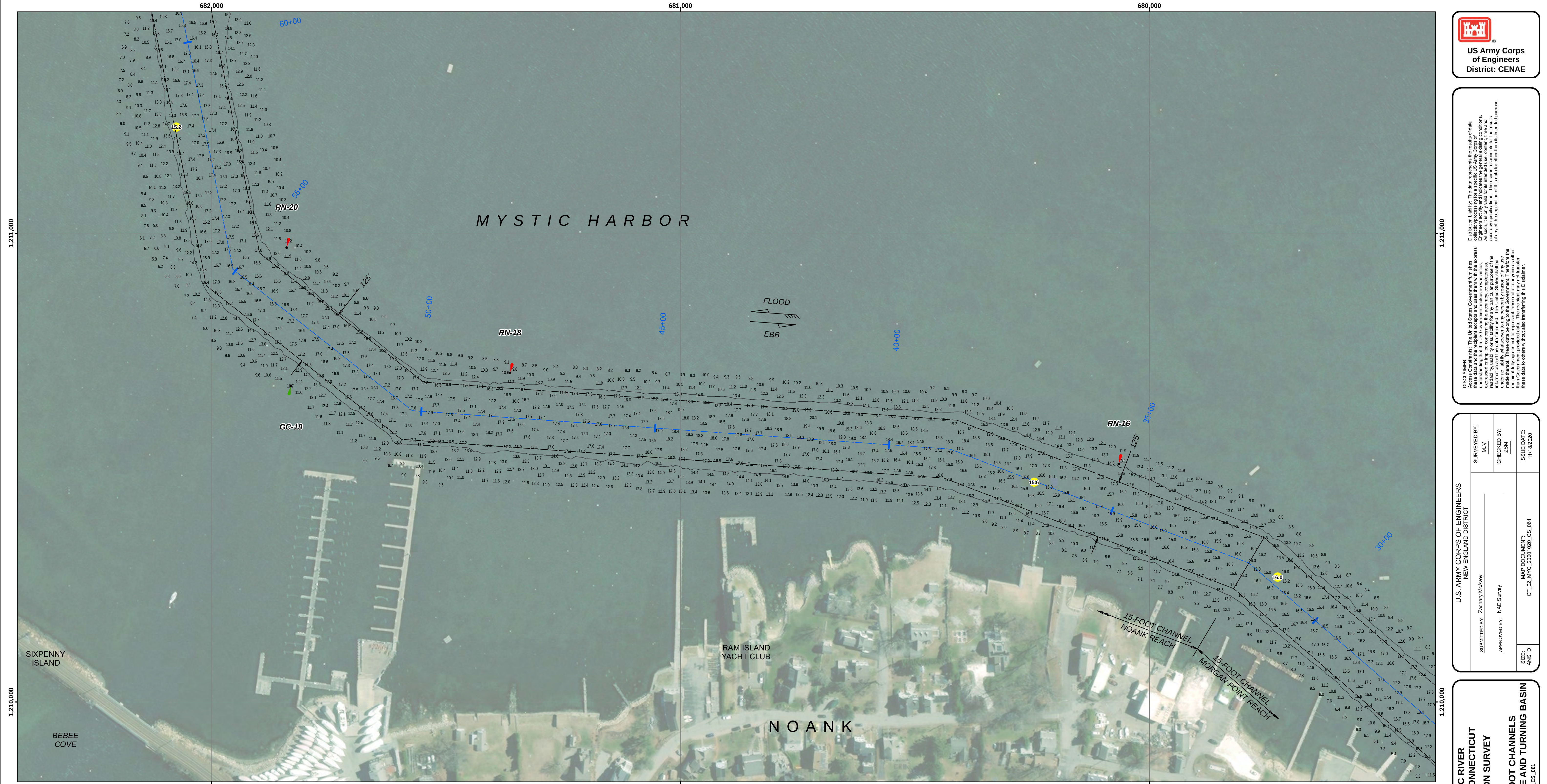
**15 AND 12-FOOT CHANNELS
9-FOOT ANCHORAGE AND TURNING BASIN**

File Name: CT_02_MYC_20201020_CS_061

**SHEET
IDENTIFICATION**

Mystic River

Sheet 1 of 7



LEGEND

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
Sonic 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 5029
Survey No.: CT_02_MYC_20201020_CS_061
Reference NOAA Chart No.: 13214

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 October 2020. 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. The positions of aids to navigation were located during survey operations, are provided for information only and should not be used for navigation. Orthomagey is from a variety of sources and dates and is intended to portray general characteristics of the shoreline and other features. Temporal changes may have occurred since this dataset was collected and some parts may no longer be an accurate representation of the conditions. The information depicted on this map should NOT be used to determine volumes as volumes are determined from more sounding information than shown.

Project Remarks
Marine infrastructure surveyed with Lidar.

Water Level Information
Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project is 1.80 feet. This correction is referenced from NOAA's V-Datum Model Version 4.1, CT/RI Region Version 3.4 in the vicinity of Mystic River, Mystic, 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. The average range of tide is 2.6 feet.

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT			
SUBMITTED BY: Zachary McAvoy		SURVEYED BY: MAV	
APPROVED BY: NAE Survey		CHECKED BY: ZSM	
SIZE: ANSI D	MAP DOCUMENT: CT_02_MYC_20201020_CS_061		ISSUE DATE: 11/02/2020

MYSTIC RIVER

MYSTIC, CONNECTICUT

CONDITION SURVEY

15 AND 12-FOOT CHANNELS

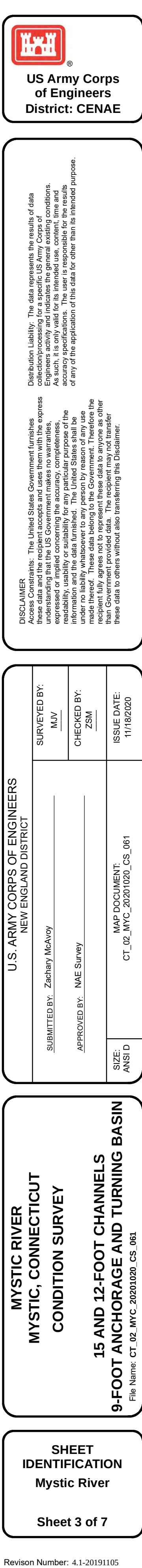
9-FOOT ANCHORAGE AND TURNING BASIN

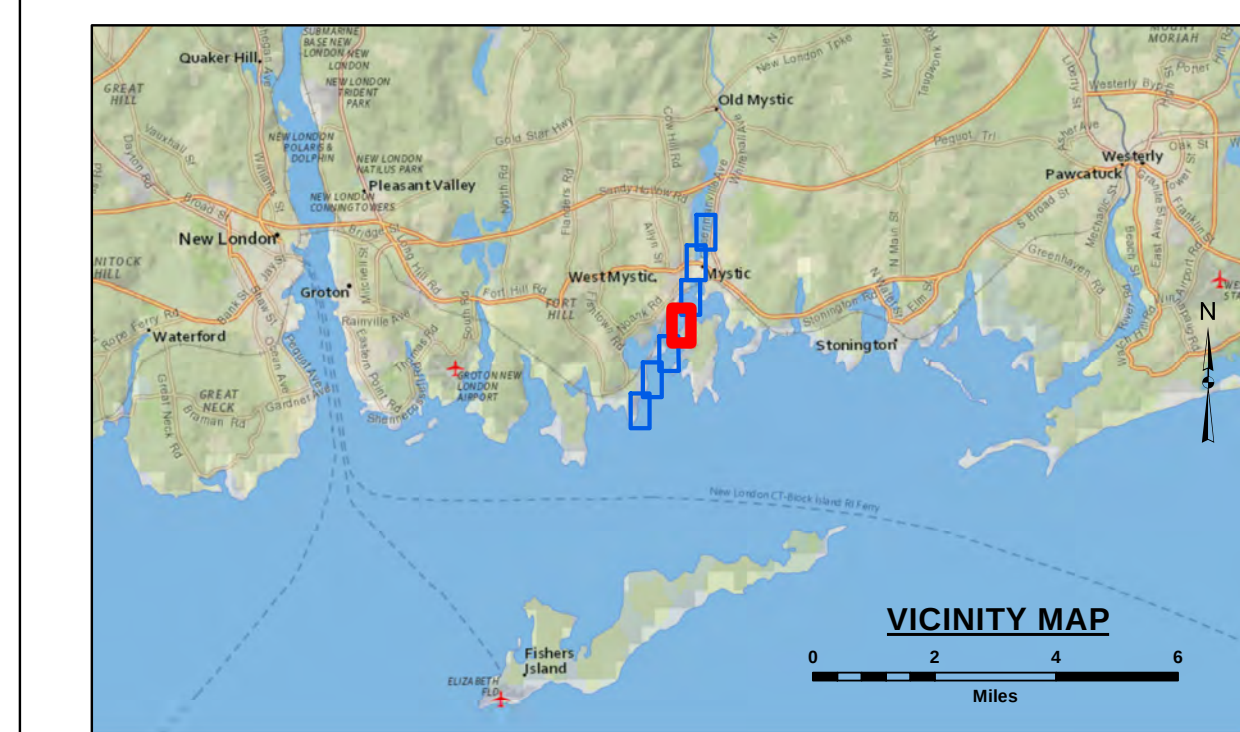
File Name: CT_02_MYC_20201020_CS_061

SHEET IDENTIFICATION

Mystic River

Sheet 2 of 7

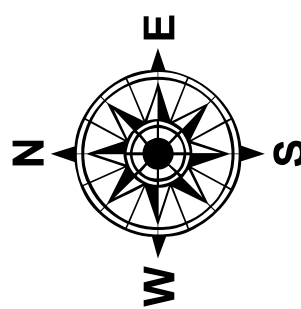




GRAPHIC SCALE * Present at Time of Construction

100 0 100 200

1" = 100'  Feet



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.

Project Remarks
Marine infrastructure surveyed with Lidar

Water Level Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project is 1.80 feet. This correction is referenced from NOAA's V-Datum Model Version 4.1, CT/RI Region Version 3.4 in the vicinity of Mystic River, Mystic, 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. The average range of tide is 2.6 feet.

**SHEET
IDENTIFICATION**
Mystic River

Sheet 4 of 7

