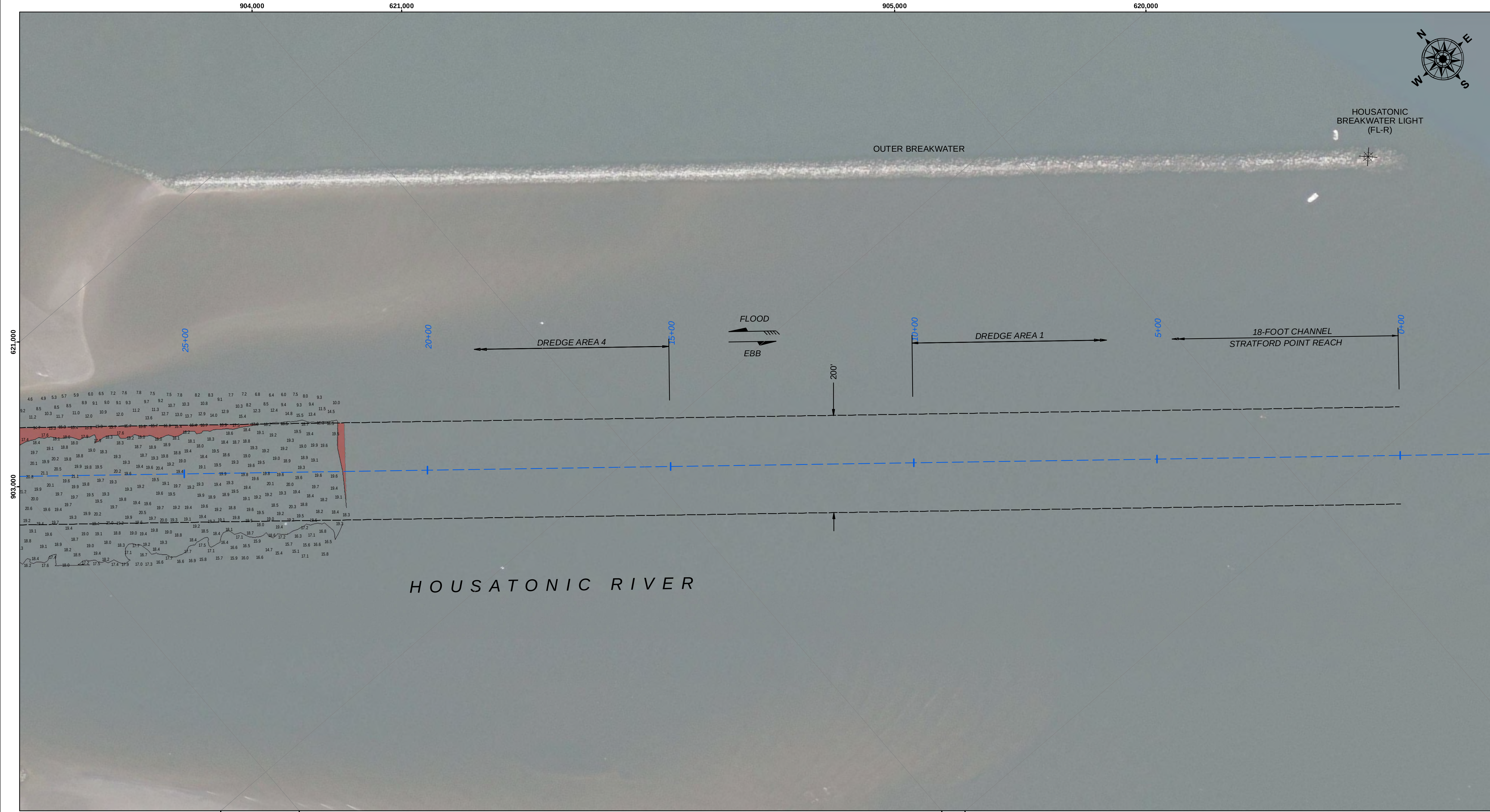






**US Army Corps
of Engineers**
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		SUBMITTED BY: Zachary McAvoy		APPROVED BY: NAE Survey		MAP DOCUMENT: CT_24_HOU_20191213_CS_101
SURVEYED BY: M.J.V.		CHECKED BY: ZSM		ISSUE DATE: 1/3/2020		
SIZE: ANSI D						

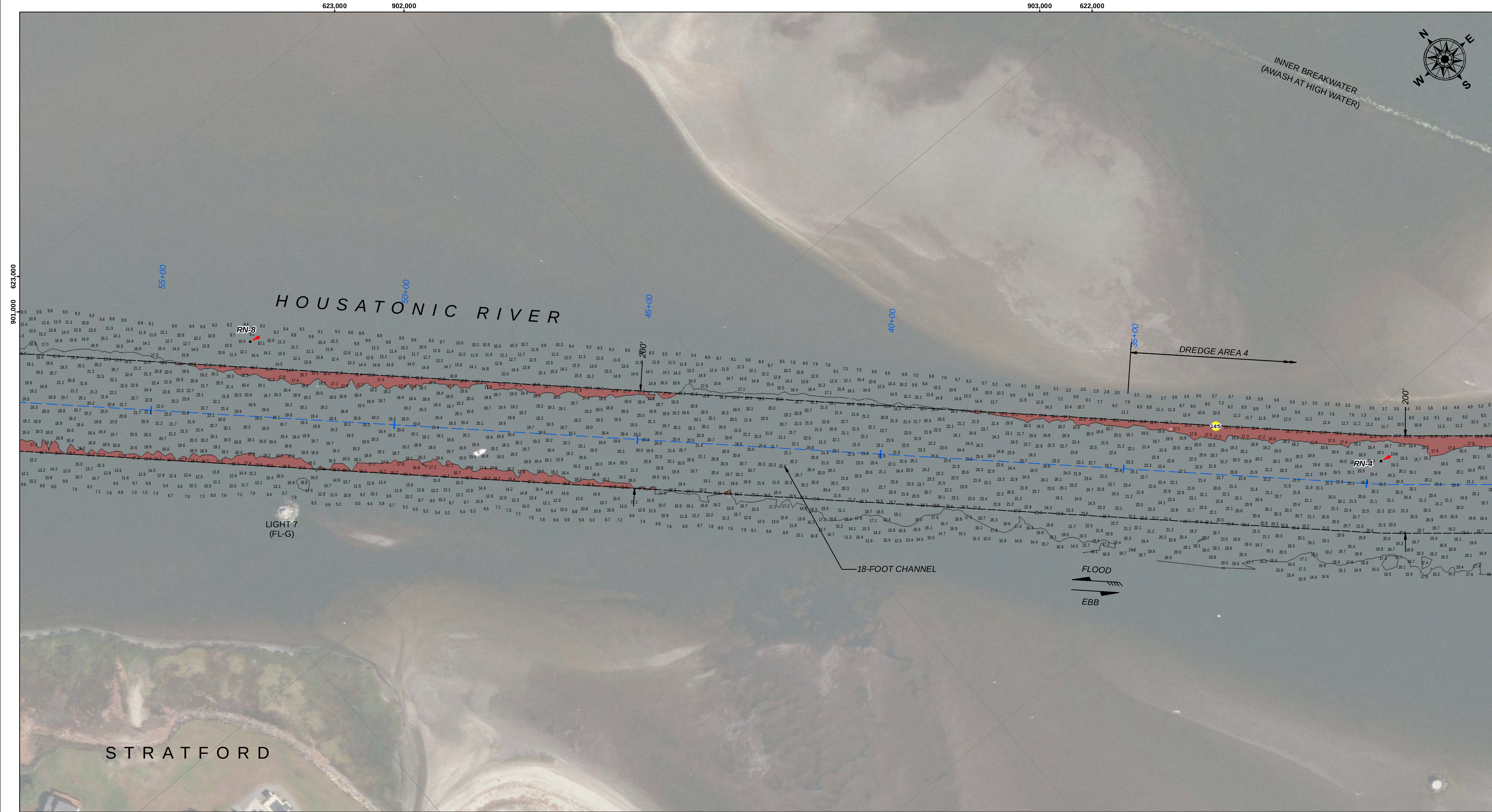
HOUSATONIC RIVER
STRATFORD AND MILFORD, CONNECTICUT

CONDITION SURVEY
18-FOOT CHANNEL

File Name: CT_24_HOU_20191213_CS_101

SHEET
IDENTIFICATION
Housatonic River

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LEGEND

--- Federal Navigation Channel

..... Cable/pipeline area

--- Channel Center Line

— Contour Line

✱ Fixed Navigation Aids

🚩 Red Navigation Buoy

🟢 Green Navigation Buoy

🔴 Shoaling Area

🟡 Shoalest Sounding**

1" = 100'

0 100 200 Feet

GRAPHIC SCALE

** Shoalest Sounding per Quarter per Reach

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 Max
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4550
Survey No.: CT_24_HOU_20191213_CS_101
Reference NOAA Chart No.: 12370

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 December 2019. 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. Orthoimagery 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

Federal navigation project not surveyed in its entirety.

Bench Mark Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 correction used for this project is 3.62 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 Housatonic River, Stratford, 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.

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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT	SUBMITTED BY: Zachary McVay	CHECKED BY: ZSM	ISSUE DATE: 1/3/2020
	APPROVED BY: NAE Survey		
	SIZE: A1S1D	MAP DOCUMENT: CT_24_HOU_20191213_CS_101	

HOUSATONIC RIVER
STRATFORD AND MILFORD, CONNECTICUT

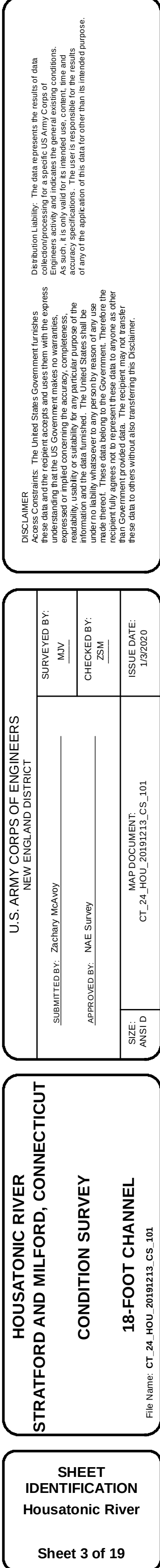
CONDITION SURVEY

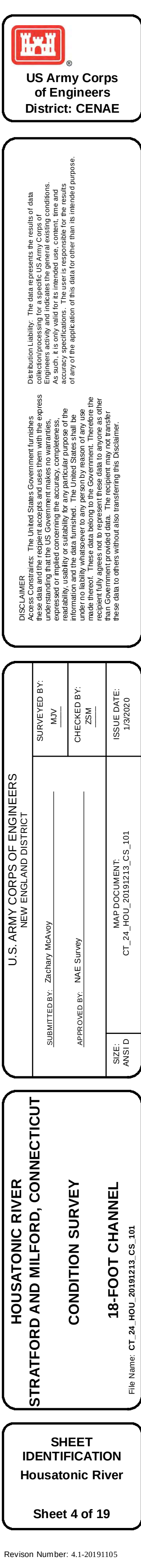
18-FOOT CHANNEL

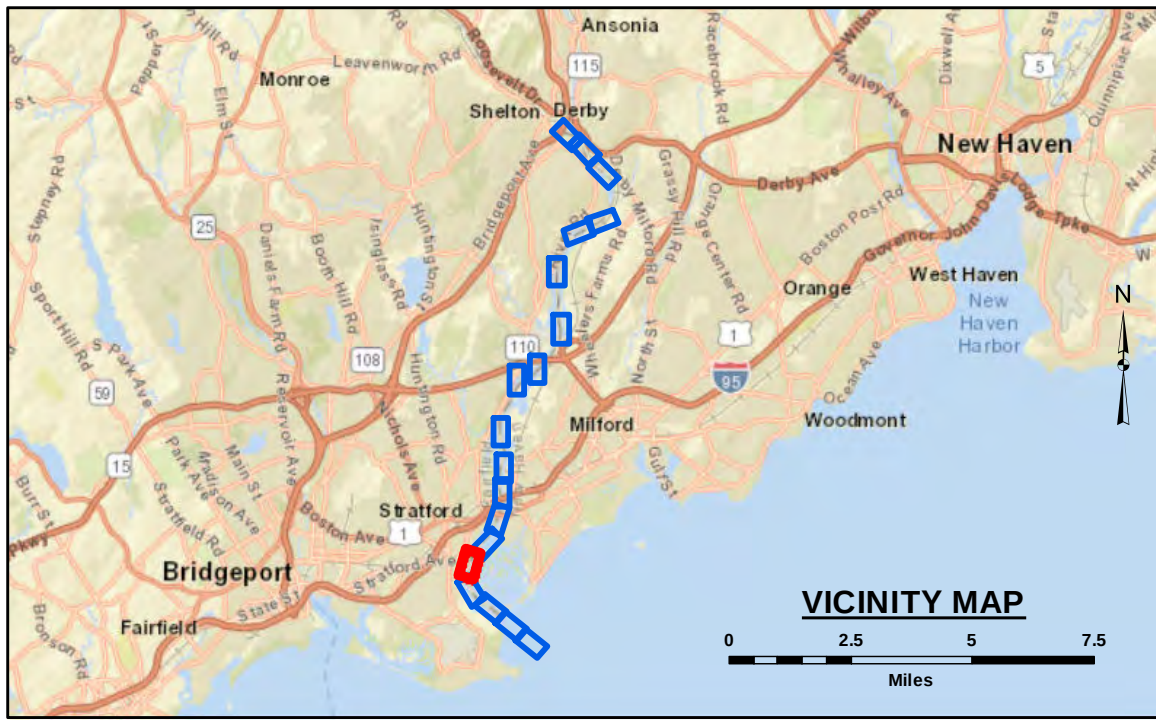
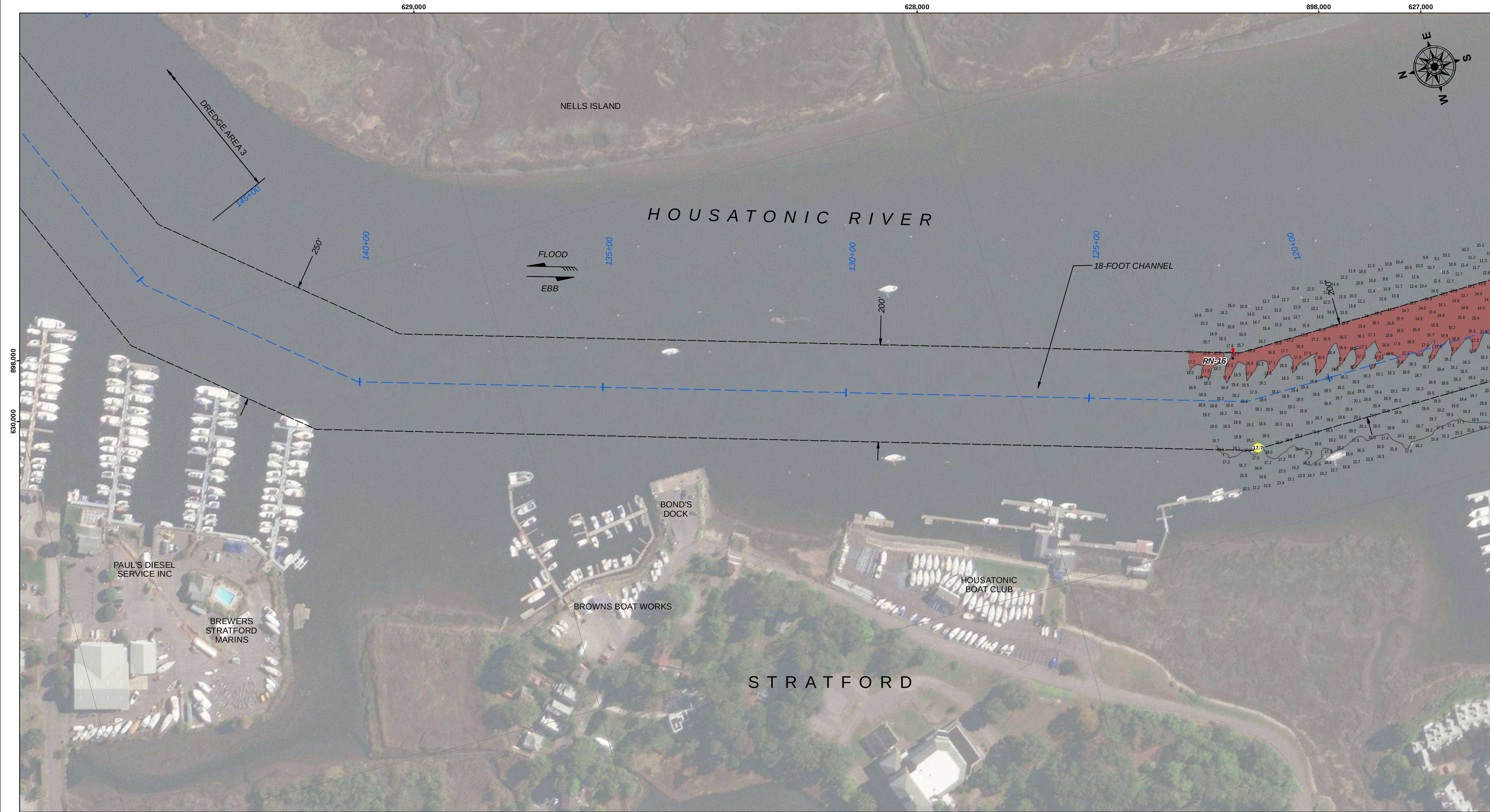
File Name: CT_24_HOU_20191213_CS_101

SHEET
IDENTIFICATION
Housatonic River

Sheet 2 of 19







LEGEND

--- Federal Navigation Channel

..... Cable/pipeline area

- - - Channel Center Line

— Contour Line

✱ Fixed Navigation Aids

● Red Navigation Buoy

● Green Navigation Buoy

■ Shoaling Area

● Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach

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 Max
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4550
Survey No.: CT_24_HOU_20191213_CS_101
Reference NOAA Chart No.: 12370

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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		SURVEYED BY: MJV	CHECKED BY: ZSM	ISSUE DATE: 1/3/2020
SUBMITTED BY: Zachary McNay		APPROVED BY: NAE Survey		
SIZE: ANSI D	MAP DOCUMENT: CT_24_HOU_20191213_CS_101			

HOUSATONIC RIVER
STRATFORD AND MILFORD, CONNECTICUT

CONDITION SURVEY
18-FOOT CHANNEL

File Name: CT_24_HOU_20191213_CS_101

SHEET IDENTIFICATION
Housatonic River

Sheet 5 of 19