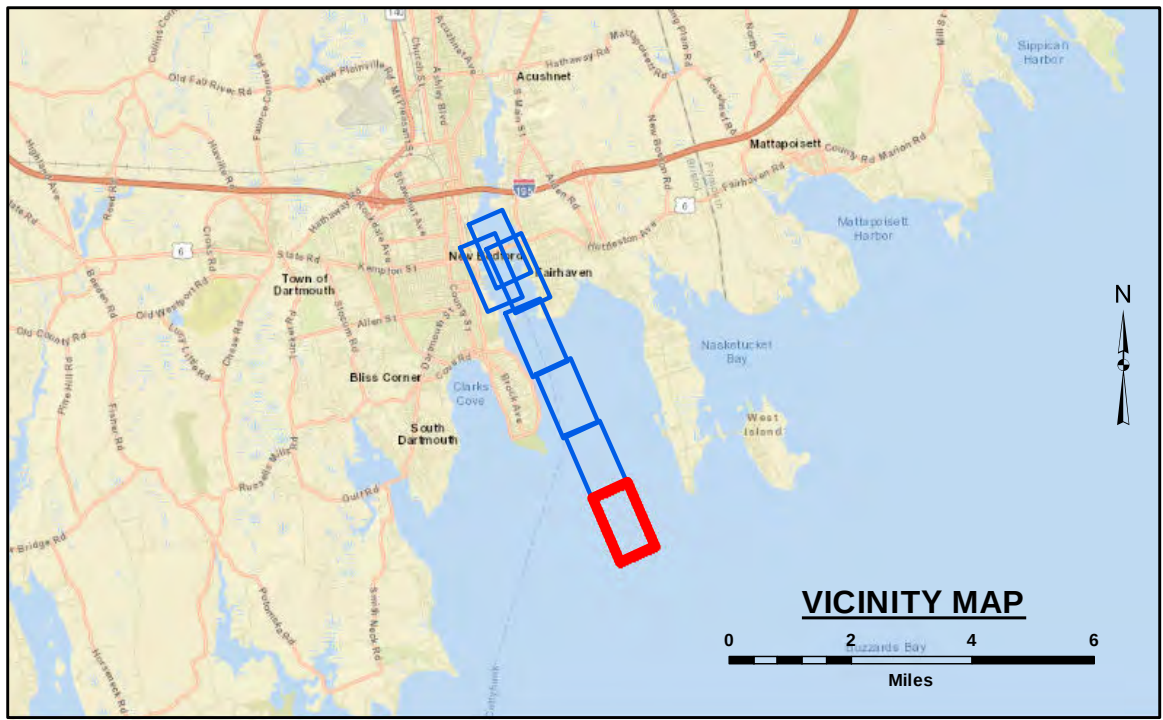
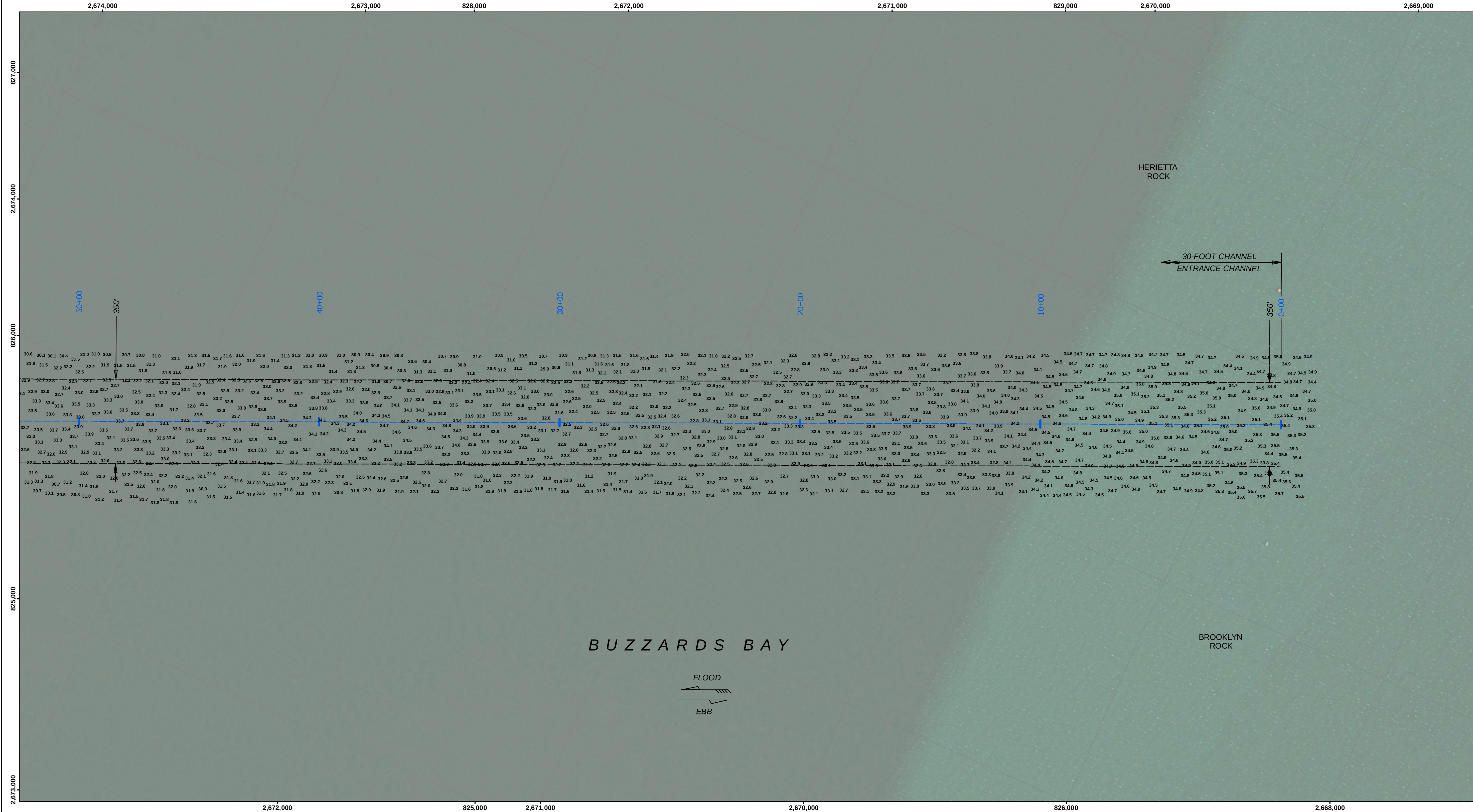




LEGEND

--- Federal Navigation Channel

..... Cable or Pipe Areas

- - - Channel Center Line

— Contour Line

⊗ Obstruction Point

⊗ Fixed Navigation Aids

🚩 Red Navigation Buoy

🚩 Green Navigation Buoy

🔴 Shoaling Area

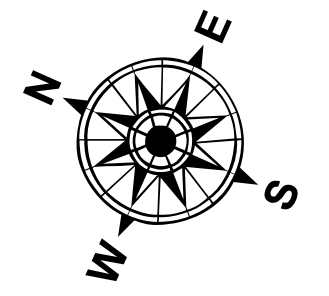
● Shoalest Sounding**

GRAPHIC SCALE

1" = 200'

0 200 400 Feet

** Shoalest Sounding per Quarter per Reach



Notes:
Horizontal Datum: Mass Mainland, MA-2001 NAD83
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: 40'
Field Books: R&H 4524
Survey No.: MA_60_NBH_20210420_CS_018
Reference NOAA Chart No.: 13229, 13230, 13232

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
Marine infrastructure surveyed with Lidar, abundance of vessels prevented full coverage of infrastructure.

Water Level Information
Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 1.98 feet to 2.00 feet. These corrections are referenced from NOAA's V-Datum Model Version 4.1, MEANHMA region Version 2.3, in the vicinity of New Bedford Harbor, Massachusetts. 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 mean range of tide 3.7 feet.



DISCLAIMER
Access Constraints: The United States Government fundlines 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 collected. The use of the data for any other purpose is at the user's risk. The user is responsible for the results of any use of the data. The user is responsible for the results of any use of the data. The user is responsible for the results of any use of the data. The user is responsible for the results of any use of the data.

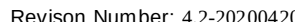
U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		SURVEYED BY: MJV	
SUBMITTED BY: Zachary McNay		CHECKED BY: ZSM	
APPROVED BY: NAE Survey		ISSUE DATE: 4/30/2021	
SIZE: ANSI D	MAP DOCUMENT: MA_60_NBH_20210420_CS_018		

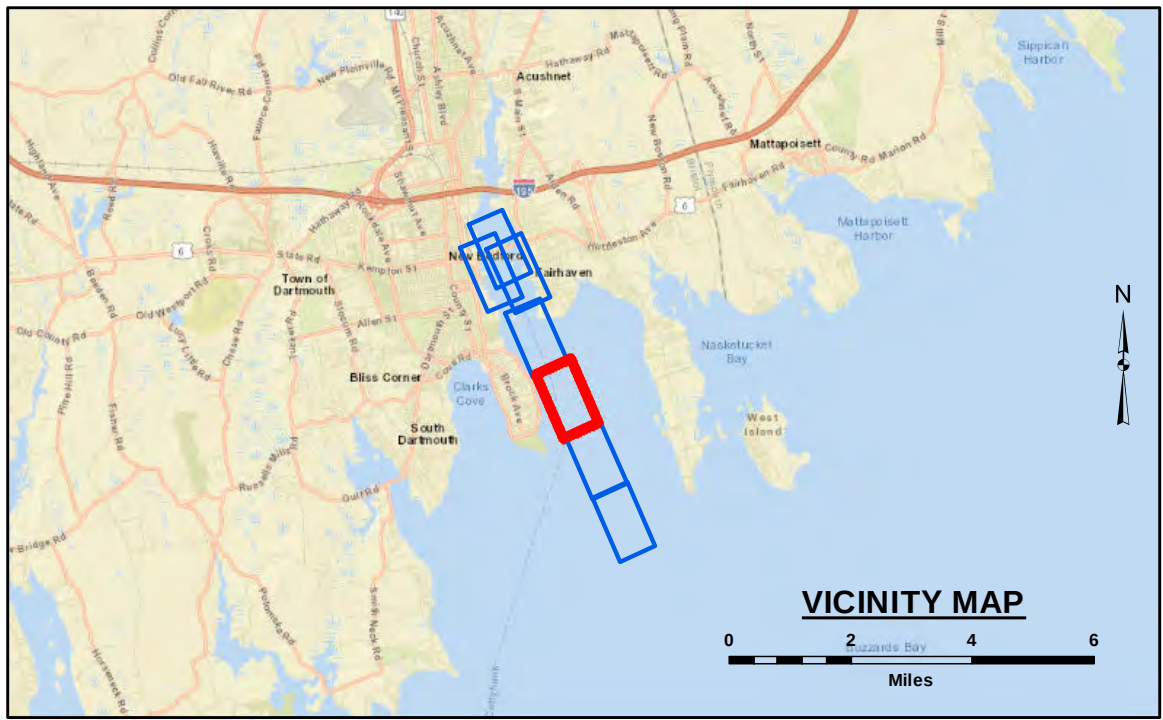
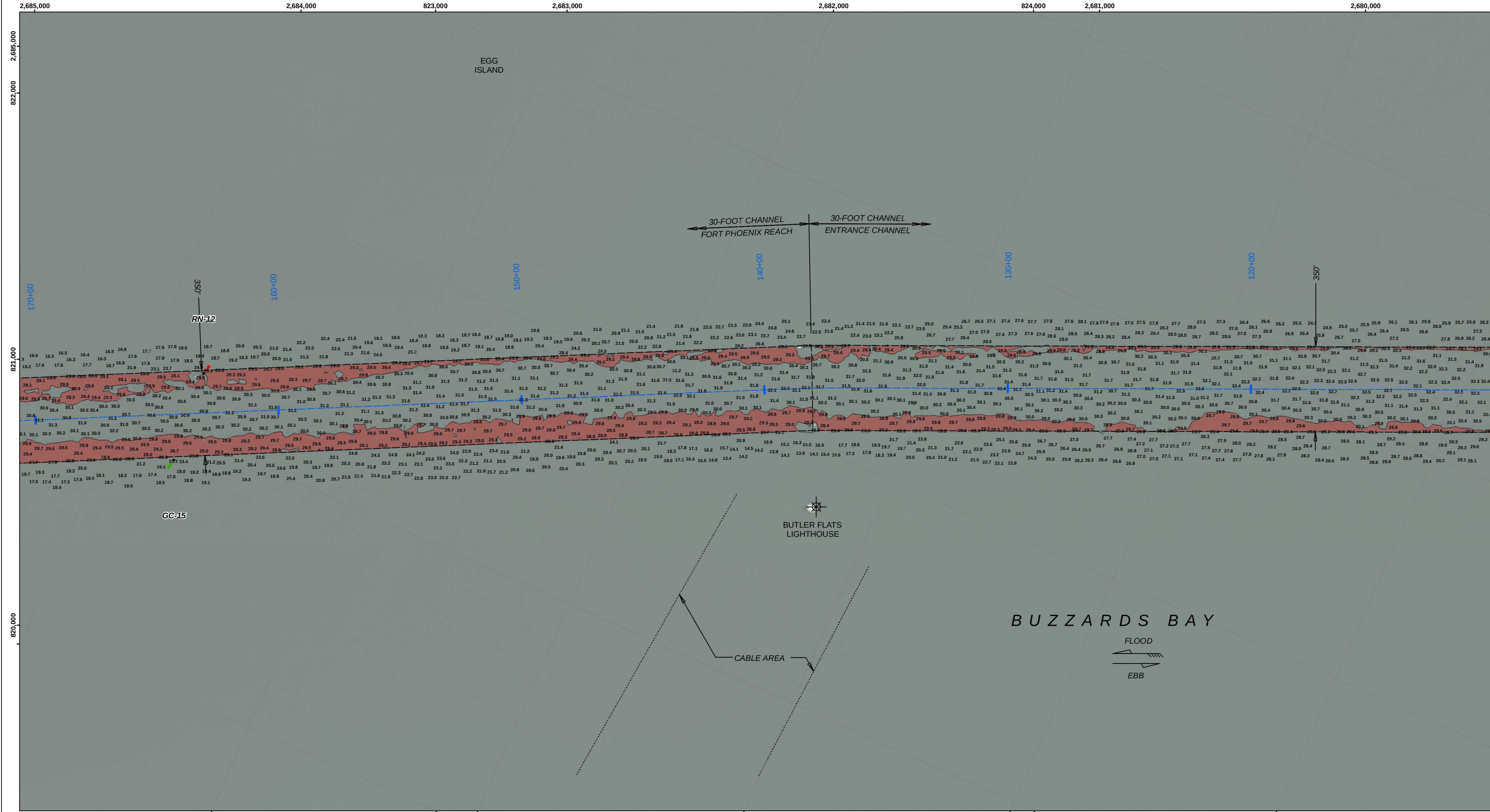
**NEW BEDFORD HARBOR
NEW BEDFORD AND FAIRHAVEN
MASSACHUSETTS
CONDITION SURVEY
10, 15, 25 AND 30-FOOT CHANNELS
25-FOOT ANCHORAGE AND
30-FOOT MANEUVERING AREAS**

File Name: MA_60_NBH_20210420_CS_018

**SHEET
IDENTIFICATION**
New Bedford Harbor

Sheet 1 of 7





LEGEND

Federal Navigation Channel

Cable or Pipe Areas

- - - -

Channel Center Line

—

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

1" = 200'

200

0

200

400

Feet

Notes:

Horizontal Datum: Mass Mainland, MA-2001 NAD83
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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NEW BEDFORD HARBOR

NEW BEDFORD AND FAIRHAVEN

MASSACHUSETTS

CONDITION SURVEY

10, 15, 25 AND 30-FOOT CHANNELS

25-FOOT ANCHORAGE AND 30-FOOT MANEUVERING AREAS

File Name: MA_60_NBH_20210420_CS_018

SHEET IDENTIFICATION

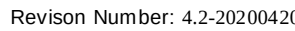
New Bedford Harbor

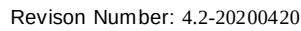
Sheet 3 of 7

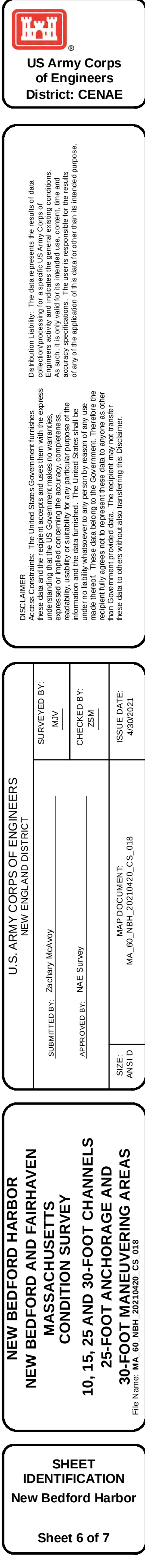
US Army Corps of Engineers
District: CENAE

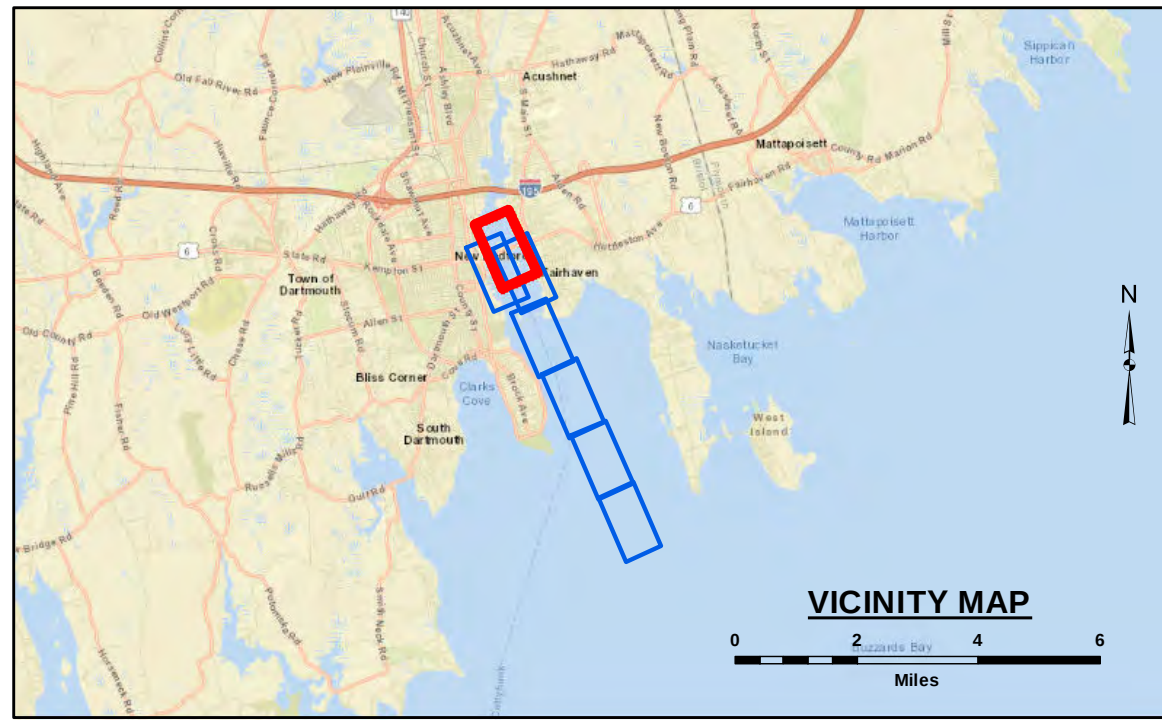
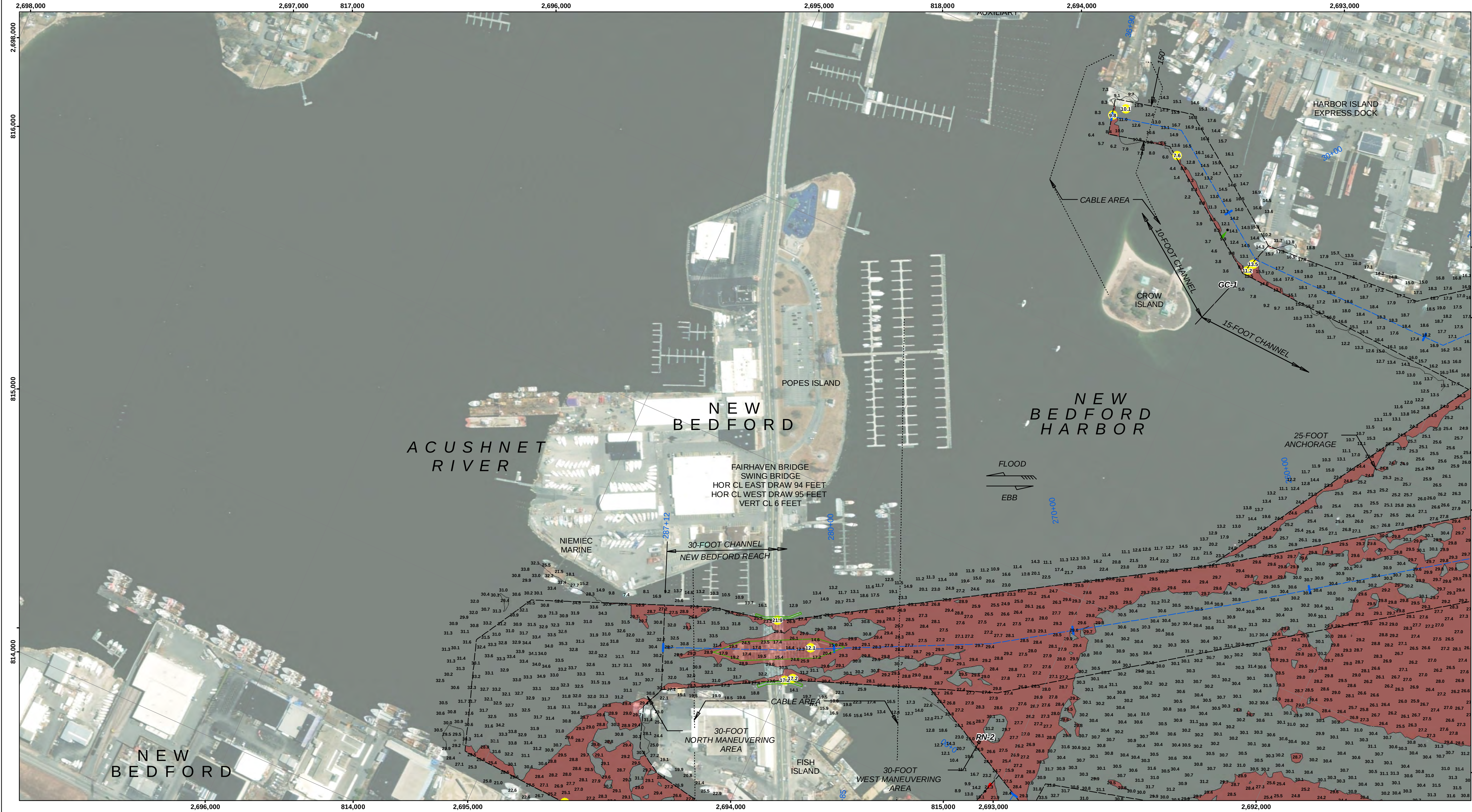
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SUBMITTED BY: Zachary McNay	SURVEYED BY: MJV	CHECKED BY: ZSM	ISSUE DATE: 4/30/2021
APPROVED BY: NAE Survey		MAP DOCUMENT: MA_60_NBH_20210420_CS_018	
SIZE: ANSI D			









LEGEND

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- - - Channel Center Line

— Contour Line

⊗ Obstruction Point

⊗ Fixed Navigation Aids

🚩 Red Navigation Buoy

🚩 Green Navigation Buoy

🔴 Shoaling Area

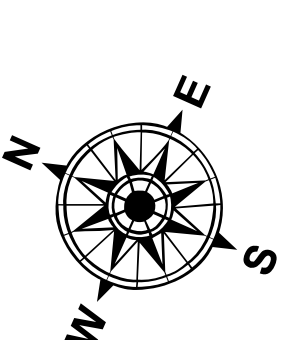
🟡 Shoalest Sounding**

*** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

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	SIZE: ANSI D		

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SHEET
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New Bedford Harbor
Sheet 7 of 7