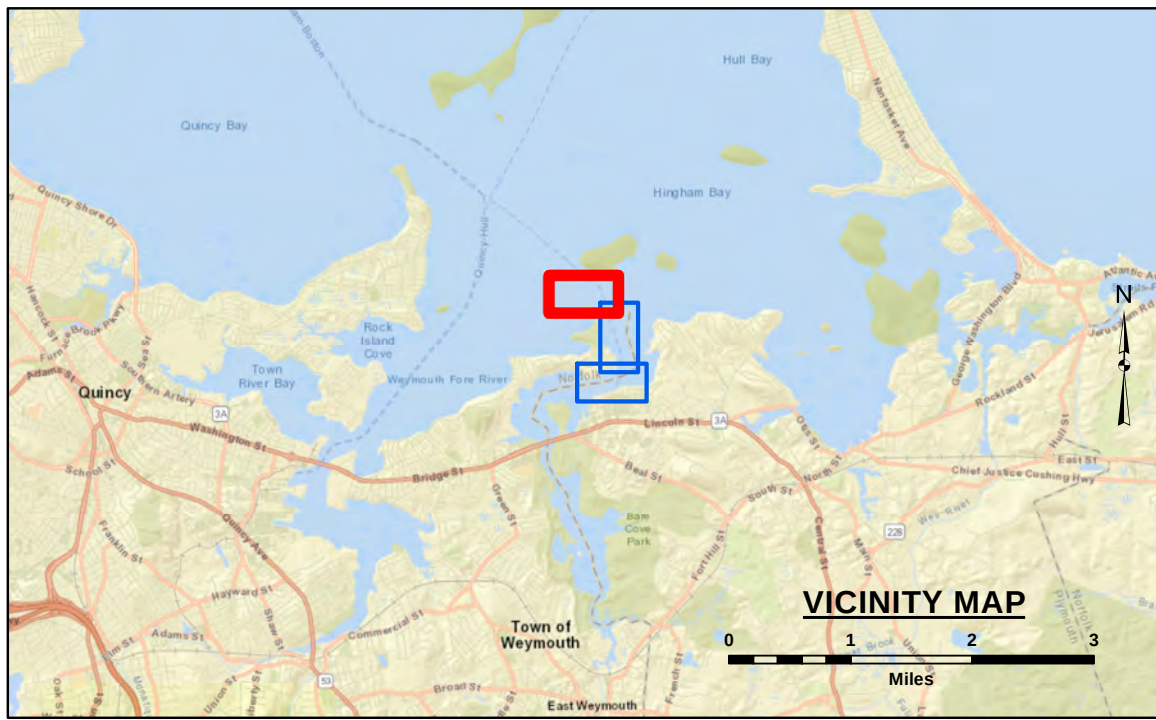
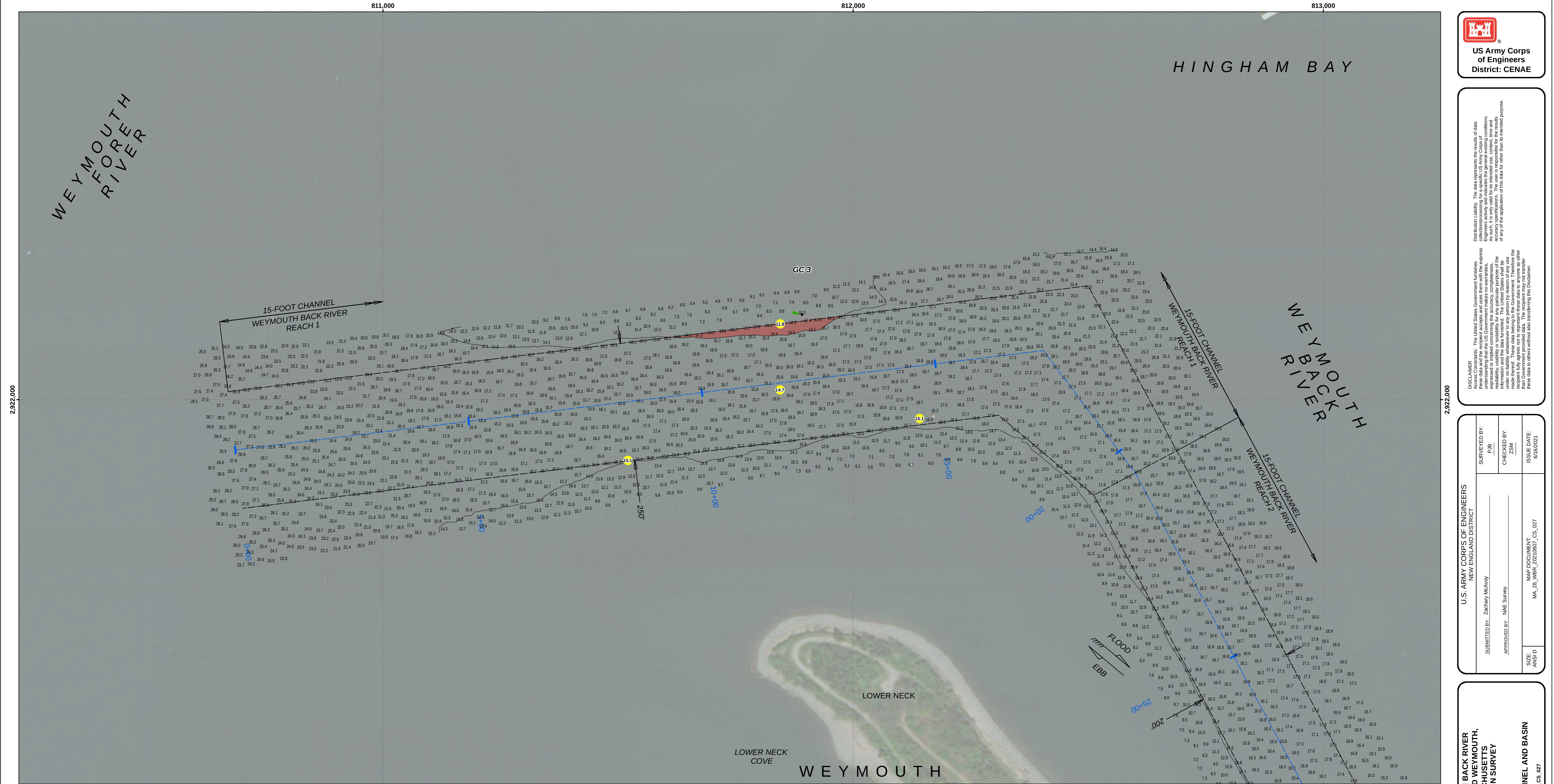




LEGEND

--- 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**

1" = 100'

0 100 200 Feet

0 1 2 Miles

GRAPHIC SCALE

100 0 100 200 Feet

** Shoalest Sounding per Quarter per Reach

Notes:

Horizontal Datum: Mass Mainland, MA-2001 NAD 83

Distance Units: U.S. Survey Feet

Vertical Datum: MLLW

Depth Units: U.S. Survey Feet

Vessel Name: KEEGAN

Sonar System: Reson TS60 (Multibeam Sonar)

Sounding Frequency: 400 kHz

Survey Method: RTK GPS TIDES

GPS System: Trimble SPS 855 (RTK)

RTK Base Station: Station Carven (2005)

Software Used: Hypack

Sounding Sort Distance: 20'

Field Books: R&H 4242

Survey No.: MA_28_WBR_20210607_CS_027

Reference NOAA Chart No.: 13270

General Notes

The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during June 2021. 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. Orthomage 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

None

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.

Water Level Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 5.57 feet to 5.58 feet. These corrections are referenced from NOAA's V-Datum Model Version 4.0. ME/NA/MA region Version 2.3 in the vicinity of Weymouth Back River, Weymouth and Hingham, 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.

U.S. ARMY CORPS OF ENGINEERS

NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McWay	SURVEYED BY: PJB
APPROVED BY: NAE Survey	CHECKED BY: ZSM
ISSUE DATE: 07/20/2021	

MAP DOCUMENT: MA_28_WBR_20210607_CS_027

SIZE: A1S1D

WEYMOUTH BACK RIVER

HINGHAM AND WEYMOUTH,

MASSACHUSETTS

CONDITION SURVEY

15-FOOT CHANNEL AND BASIN

File Name: MA_28_WBR_20210607_CS_027

SHEET IDENTIFICATION

Weymouth Back River

Sheet 1 of 3

Revision Number: 4.2:20200420



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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT	SURVEYED BY: PJB	CHECKED BY: ZSM	ISSUE DATE: 07/20/2021
	APPROVED BY: NAE Survey		

MAP DOCUMENT: MA_28_WBR_20210607_CS_027

SIZE: A1S1D

WEYMOUTH BACK RIVER

HINGHAM AND WEYMOUTH,

MASSACHUSETTS

CONDITION SURVEY

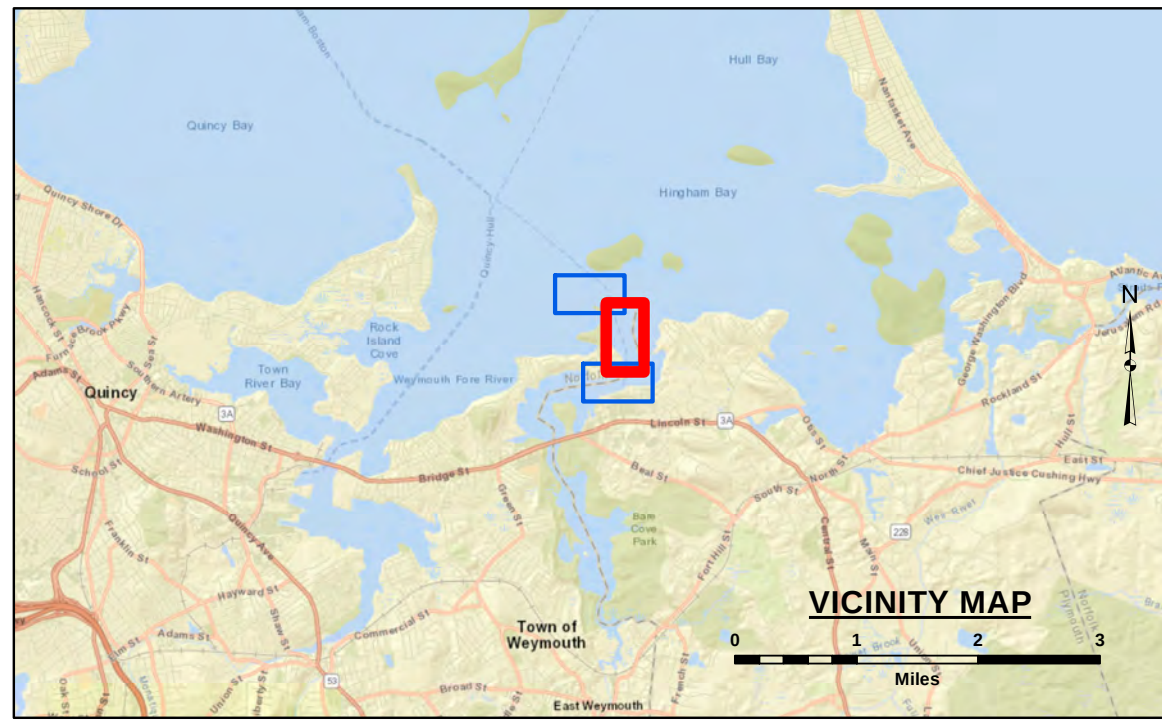
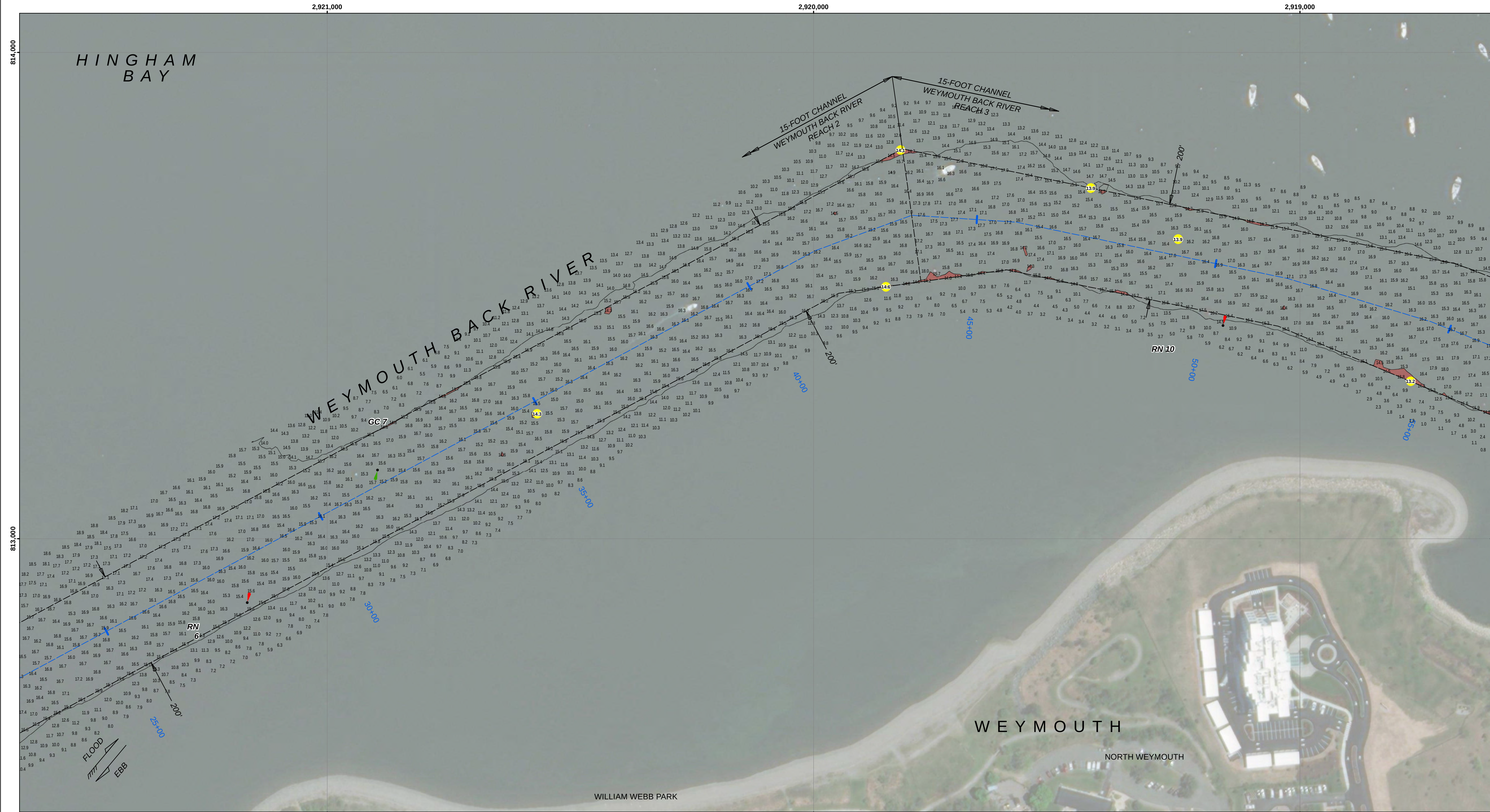
15-FOOT CHANNEL AND BASIN

File Name: MA_28_WBR_20210607_CS_027

SHEET IDENTIFICATION

Weymouth Back River

Sheet 1 of 3



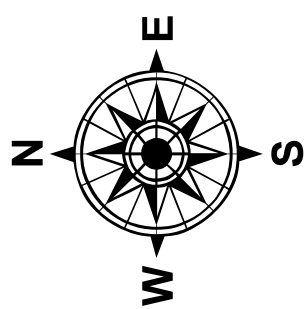
LEGEND			
--- Federal Navigation Channel	✖ Fixed Navigation Aids	🚩 Red Navigation Buoy	
..... Cable or Pipe Areas		🟢 Green Navigation Buoy	
- - - Channel Center Line		🔴 Shoaling Area	
— Contour Line		🟡 Shoalest Sounding**	
⊗ Obstruction Point			

1" = 100'

100 0 100 200 Feet

0 1 2 Miles

*** Shoalest Sounding per Quarter per Reach



Notes:

Horizontal Datum: Mass Mainland, MA-2001 NAD 83

Distance Units: U.S. Survey Feet

Vertical Datum: MLLW

Depth Units: U.S. Survey Feet

Vessel Name: KEEGAN

Sonar System: Reson TS9 (Multibeam Sonar)

Sounding Frequency: 400 kHz

Survey Method: RTK GPS TIDES

GPS System: Trimble SPS 855 (RTK)

RTK Base Station: Station Carven (2005)

Software Used: Hypack

Sounding Sort Distance: 20'

Field Books: R&H 4242

Survey No.: MA_28_WBR_20210607_CS_027

Reference NOAA Chart No.: 13270

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Project Remarks

None

Water Level Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 5.57 feet to 5.58 feet. These corrections are referenced from NOAA's V-Datum Model Version 4.0. ME/NE/MA region Version 2.3 in the vicinity of Weymouth Back River, Weymouth and Hingham, 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.

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McWay

APPROVED BY: NAE Survey

ISSUE DATE: 07/20/2021

MAP DOCUMENT: MA_28_WBR_20210607_CS_027

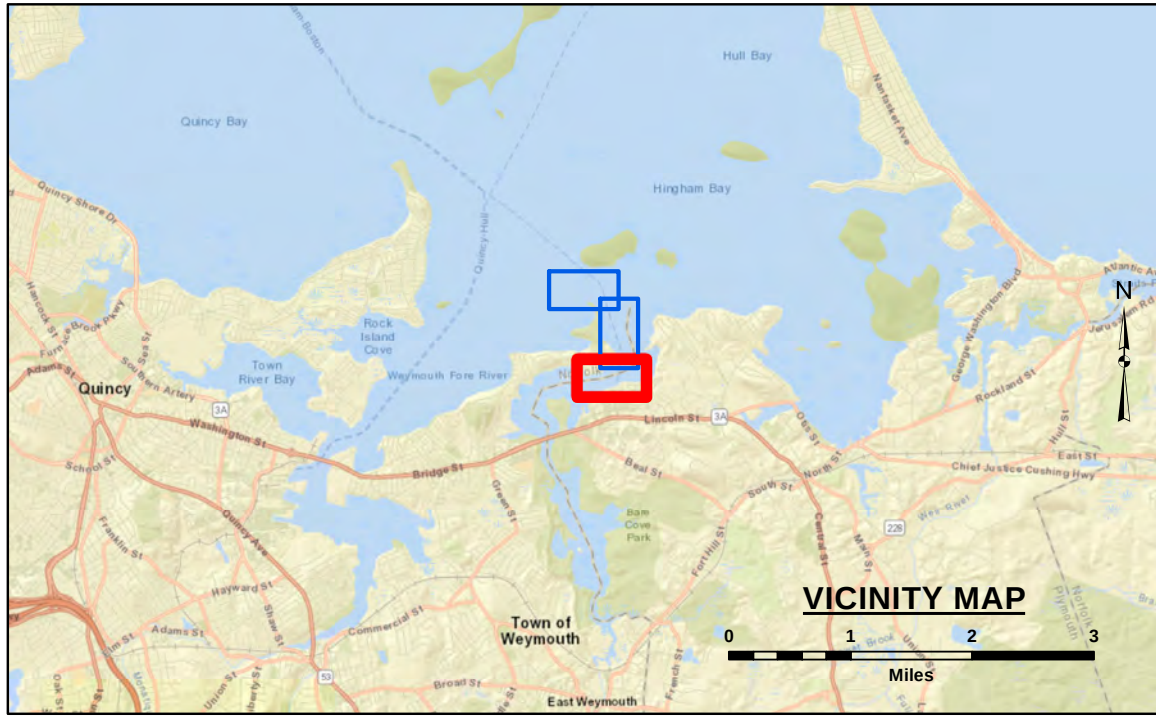
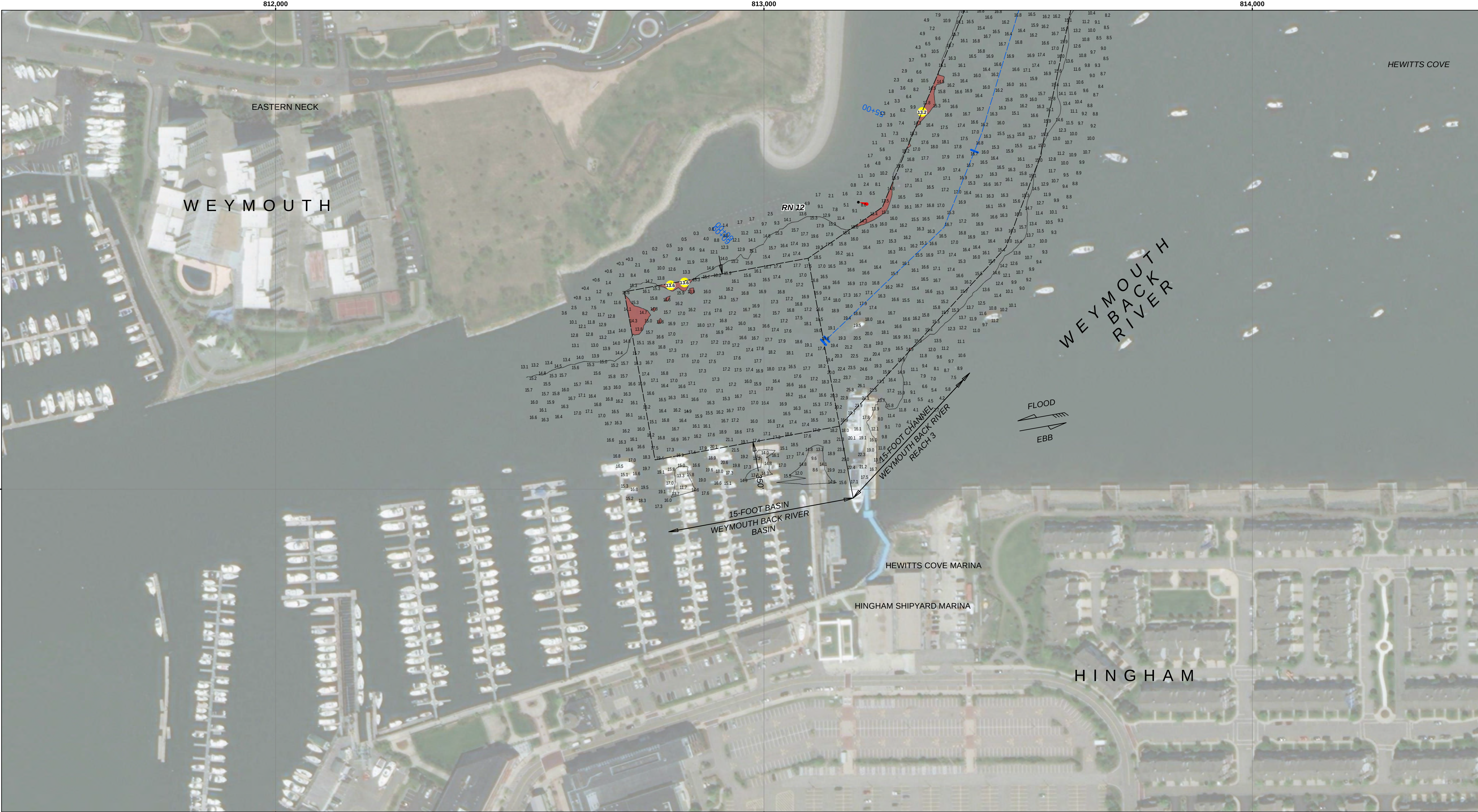
SIZE: A151D

WEYMOUTH BACK RIVER
HINGHAM BAY
MASSACHUSETTS
CONDITION SURVEY

15-FOOT CHANNEL AND BASIN

SHEET IDENTIFICATION
Weymouth Back River
Sheet 2 of 3

Revision Number: 4.2:20200420



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

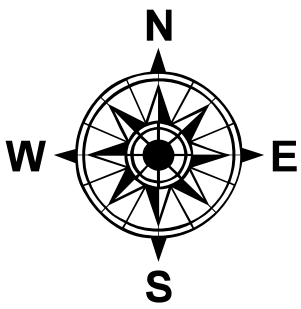
● Shoalest Sounding**

GRAPHIC SCALE

1" = 100'

100 0 100 200 Feet

** Shoalest Sounding per Quarter per Reach



Notes:
Horizontal Datum: Mass Mainland, MA-2001 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: KEEGAN
Sonar System: Reson TS60 (Multibeam Sonar)
Sounding Frequency: 400 kHz
Survey Method: RTK GPS TIDES
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Sounding Sort Distance: 20'
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Survey No.: MA_28_WBR_20210607_CS_027
Reference NOAA Chart No.: 13270

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Project Remarks
None

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.

Water Level Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 5.57 feet to 5.58 feet. These corrections are referenced from NOAA's V-Datum Model Version 4.0, ME/NH/MA region Version 2.3 in the vicinity of Weymouth Back River, Weymouth and Hingham, 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.

Weymouth Back River
Hingham and Weymouth,
Massachusetts
Condition Survey

15-FOOT CHANNEL AND BASIN

File Name: MA_28_WBR_20210607_CS_027

SHEET IDENTIFICATION
Weymouth Back River
Sheet 3 of 3


US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT			
SUBMITTED BY: Zachary McAvoy _____		SURVEYED BY: PJB _____	
APPROVED BY: NAE Survey _____		CHECKED BY: ZSM _____	
SIZE: ANSI D	MAP DOCUMENT: MA_28_WBR_20210607_CS_027		ISSUE DATE: 07/20/2021

Weymouth Back River
Hingham and Weymouth,
Massachusetts
Condition Survey

15-FOOT CHANNEL AND BASIN

File Name: MA_28_WBR_20210607_CS_027

SHEET IDENTIFICATION
Weymouth Back River
Sheet 3 of 3