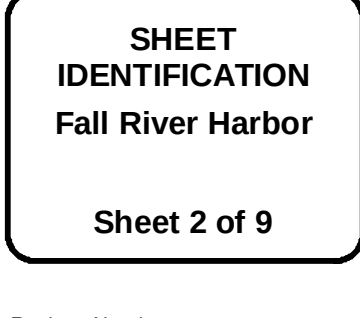
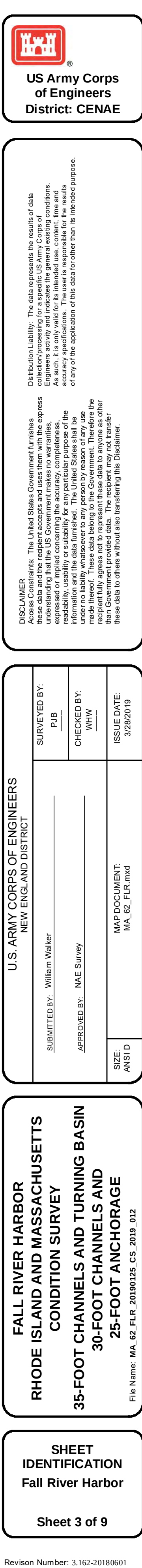
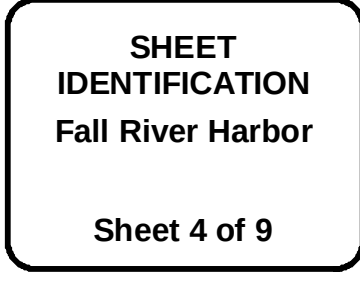
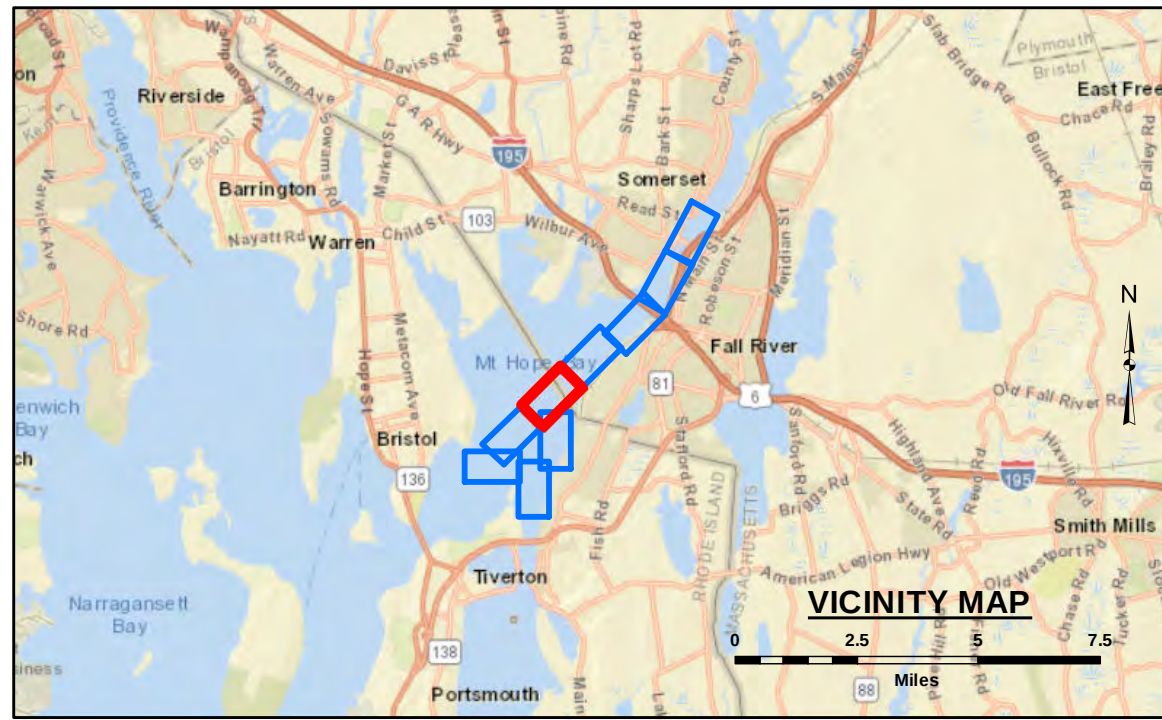
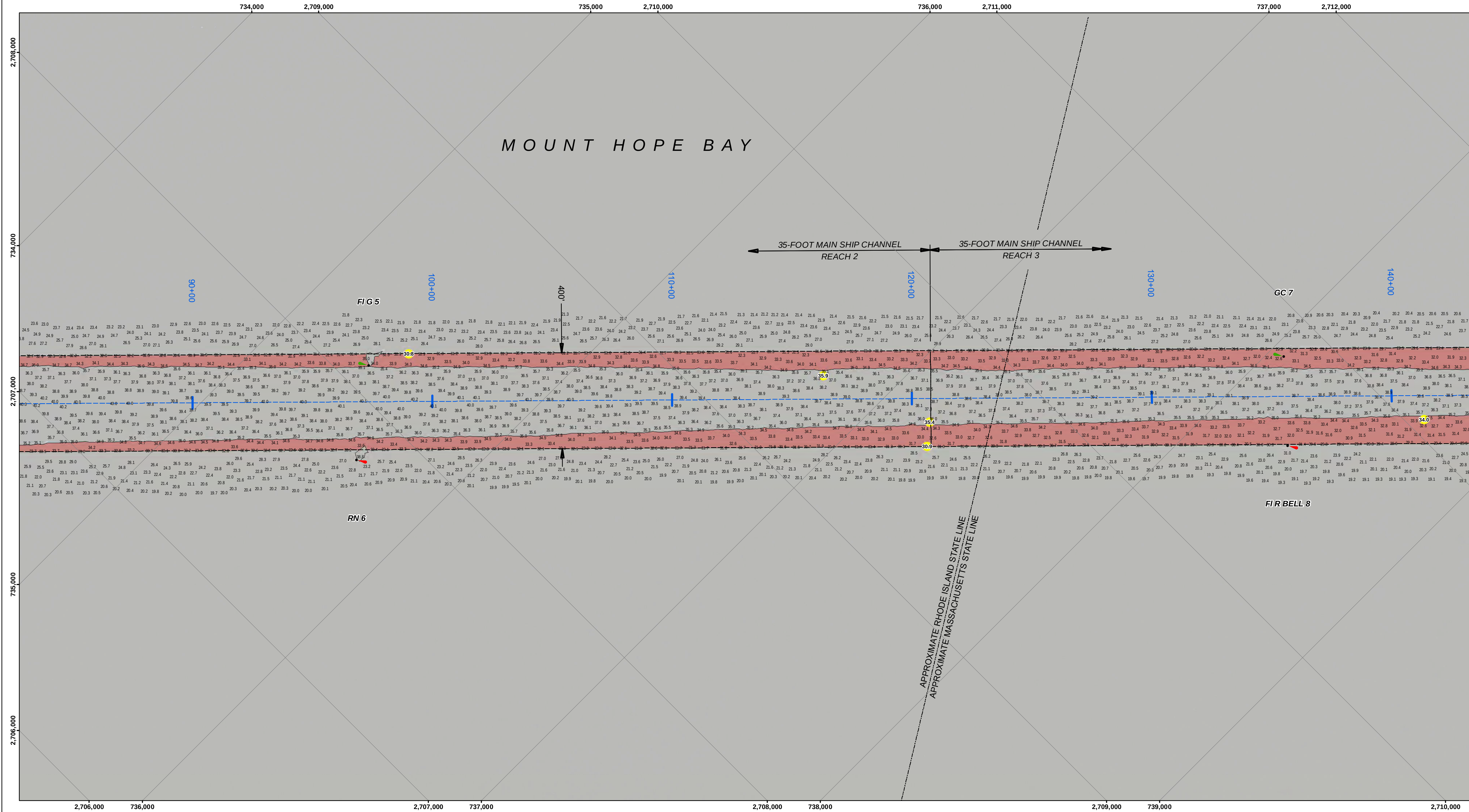










LEGEND

- 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**

GRAPHIC SCALE

1" = 200'

0 200 400 Feet

VICINITY MAP

0 25 5 Miles

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 7125 (Multibeam Sonar)
Sounding Frequency: 400 kHz
Survey Method: RTK GPS Tides
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 40'
Field Books: R&H 4566
Survey No.: FLR_CS_2019_012
Reference NOAA Chart No.: 13229

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 January 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. Orthorectification 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

Project Remarks
None

Water Level Information
Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 2.33 feet to 2.61 feet. These corrections are referenced from NOAA's V-Datum Model Version 3.9, ME/NH/MA region Version 1.3, in the vicinity of Fall River 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.

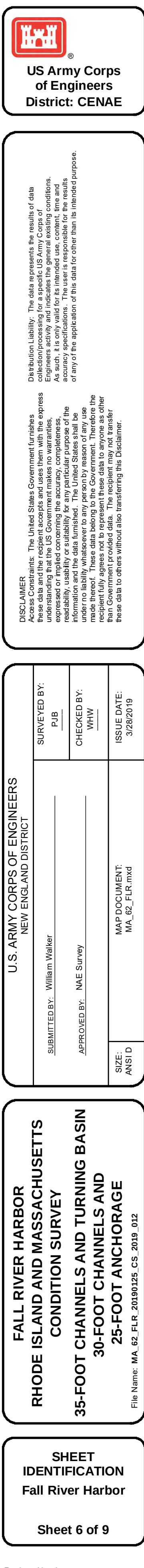


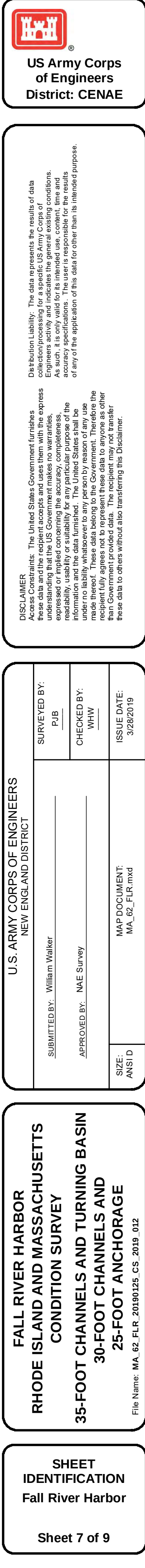
DISCLAIMER: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were furnished. The user is responsible for the results of any use of the data for any purpose other than that for which they were furnished. The user is responsible for the results of any use of the data for any purpose other than that for which they were furnished. The user is responsible for the results of any use of the data for any purpose other than that for which they were furnished.

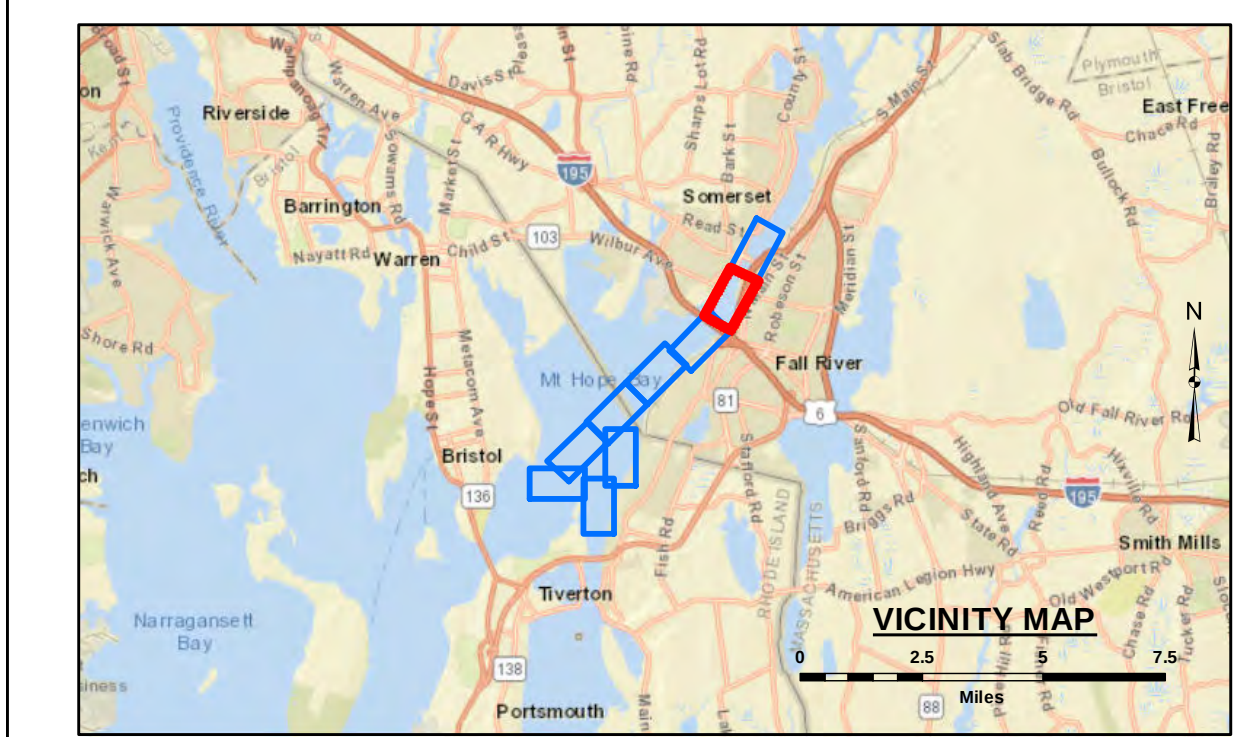
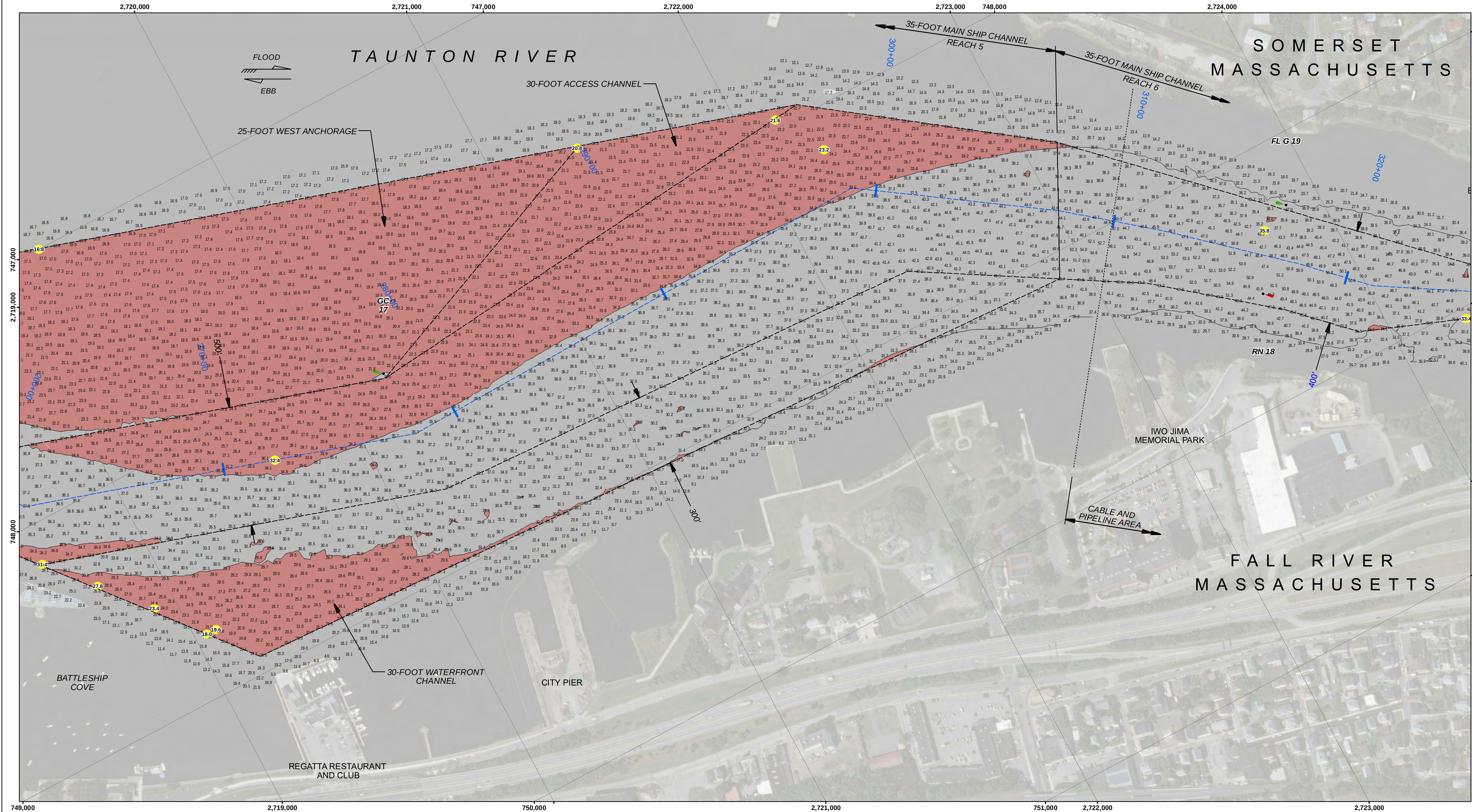
U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		MAP DOCUMENT MA_C2_FLR.mxd	
SUBMITTED BY: William Walker	SURVEYED BY: PJB	CHECKED BY: WHW	ISSUE DATE: 3/28/2019
APPROVED BY: NAE Survey	SIZE ANSI D		

**FALL RIVER HARBOR
RHODE ISLAND AND MASSACHUSETTS
CONDITION SURVEY
35-FOOT CHANNELS AND TURNING BASIN
30-FOOT CHANNELS AND
25-FOOT ANCHORAGE**

**SHEET
IDENTIFICATION
Fall River Harbor**







LEGEND

--- Federal Navigation Channel	✂ Fixed Navigation Aids
--- Channel Center Line	🚩 Red Navigation Buoy
..... Cable Submarine	🟢 Green Navigation Buoy
— Contour Line	🔴 Shoaling Area
⊗ Obstruction Point	🟡 Shoalest Sounding**

GRAPHIC SCALE

1" = 200'

0 200 400 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 7125 (Multibeam Sonar)
Sounding Frequency: 400 kHz
Survey Method: RTK GPS Tides
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 40'
Field Books: R&H 4566
Survey No.: F.L.R. CS_2019_012
Reference NOAA Chart No.: 13229

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 January 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. Orthorectification 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

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	SUBMITTED BY: William Walker	CHECKED BY: WHW	ISSUE DATE: 3/28/2019
	APPROVED BY: NAE Survey		
	SIZE: A3SID	MAP DOCUMENT: MA_02_FLR_0101025_CS_2019_012	

FALL RIVER HARBOR
RHODE ISLAND AND MASSACHUSETTS
CONDITION SURVEY
35-FOOT CHANNELS AND TURNING BASIN
30-FOOT CHANNELS AND
25-FOOT ANCHORAGE

SHEET IDENTIFICATION
Fall River Harbor
Sheet 8 of 9

