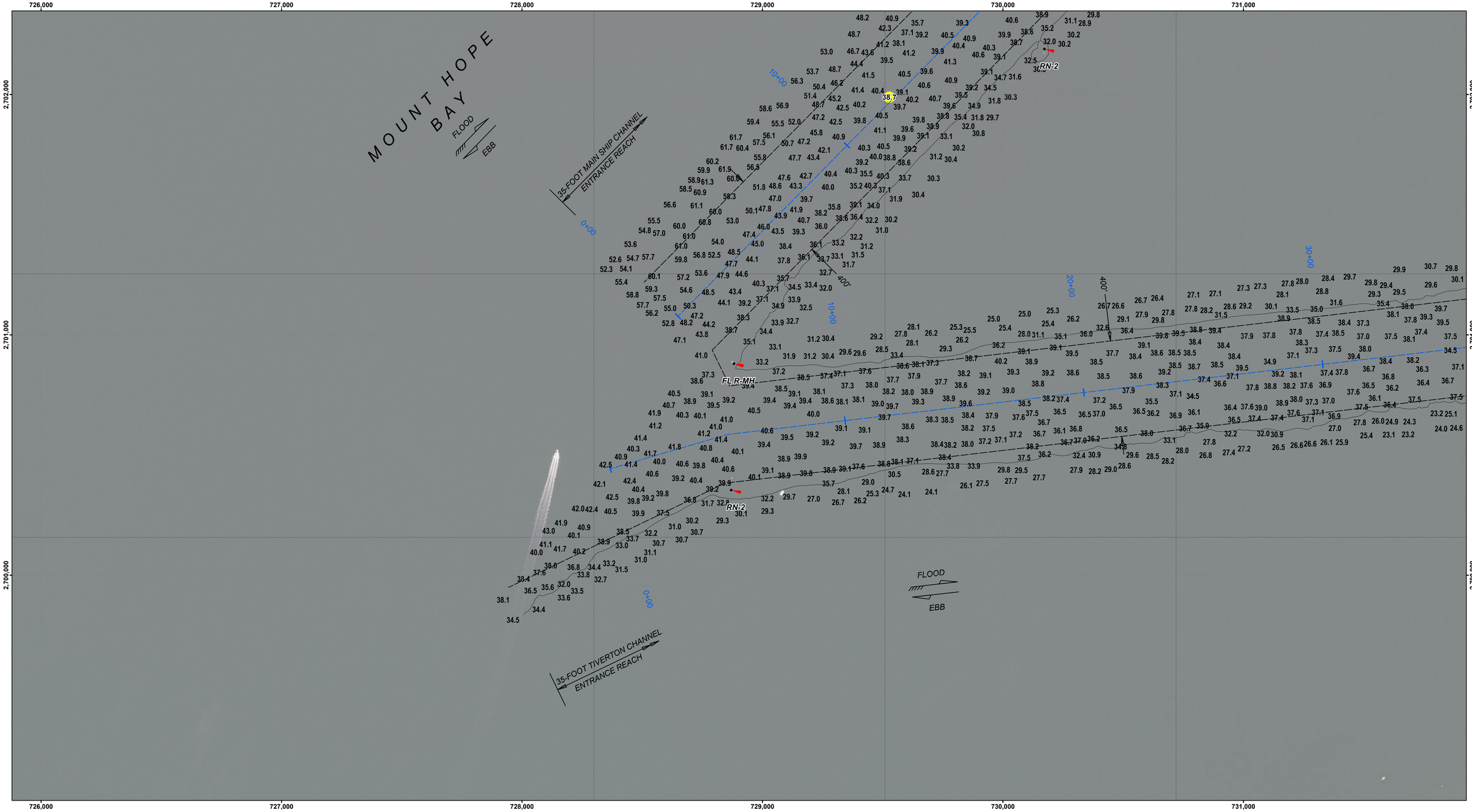
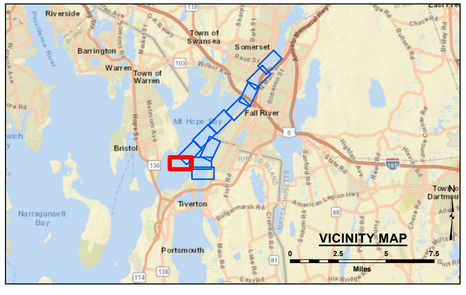




LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Survey

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

N W E S

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: SV Kennebec
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: INS Integrated Reson (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 50'
Field Books: R&H 4986
Survey No.: MA_62_FLR_20260527_CS_026
Reference NOAA Chart No.: US5FAVBA,US5FAVBB,US5FAVCA, US5FAVCB,US5MA1HB,US5PVDFE

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Project Remarks

Marine infrastructure surveyed with Lidar.

Water Level Information

Tides were recorded using RTK GPS. NAVD88 to MLLW corrections were logged utilizing NOAA's V-Datum regional model Connecticut/Rhode Island Version 4.4. The corrections in the project area range from 2.24 feet to 2.47 feet. MLLW is below NAVD88; therefore, the correction should be added to NAVD88 to convert to MLLW (e.g.-10 NAV88 = -8 MLLW when using a 2-foot correction).

US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJD
CHECKED BY: JAB
ISSUE DATE: 6/8/2026
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
MAP DOCUMENT: MA_62_FLR_20260527_CS_026
SIZE: ANSI D

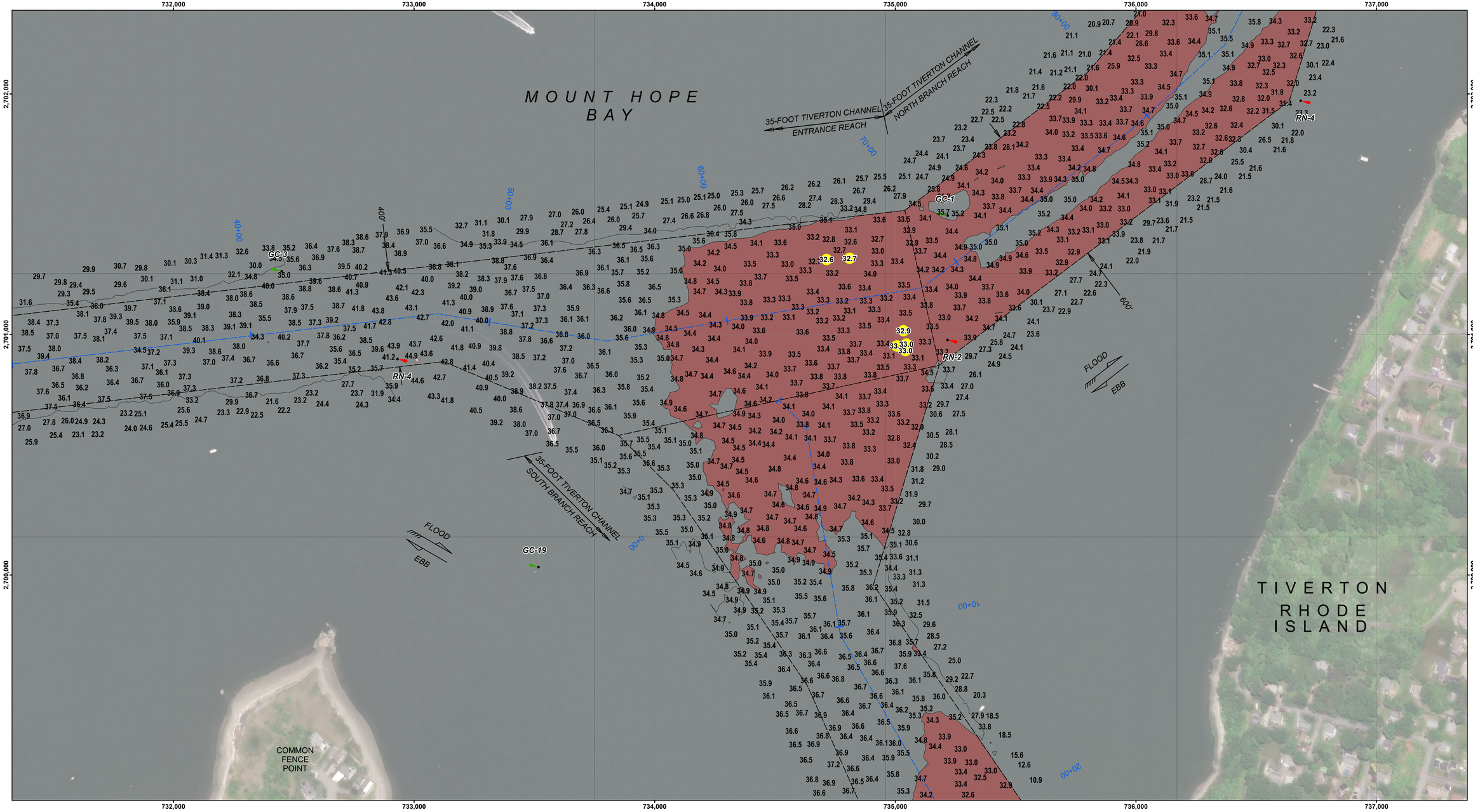
FALL RIVER HARBOR
TIVERTON TO SOMERSET, RHODE ISLAND AND MASSACHUSETTS
CONDITION SURVEY
35-FOOT CHANNELS AND TURNING BASIN
30-FOOT CHANNELS AND 25-FOOT ANCHORAGE

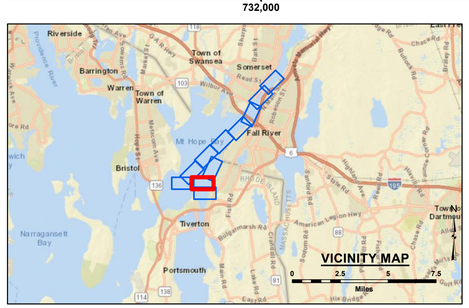
File Name: MA_62_FLR_20260527_CS_026

SHEET IDENTIFICATION
Fall River Harbor

Sheet 1 of 11

Revison Number: 5.26.04.06-5.26.04.06





LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Survey

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

N W E S

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: SV Kennebec
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: INS Integrated Reson (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 50'
Field Books: R&H 4986
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Reference NOAA Chart No.: US5FAVBA,US5FAVBB,US5FAVCA, US5FAVCB,US5MA1HB,US5PVDFE
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Project Remarks

Marine infrastructure surveyed with Lidar.

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

SURVEYED BY: MJD
CHECKED BY: JAB
ISSUE DATE: 6/8/2026
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SIZE: ANSI D
MAP DOCUMENT: MA_62_FLR_20260527_CS_026

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

File Name: MA_62_FLR_20260527_CS_026

SHEET IDENTIFICATION
Fall River Harbor

Sheet 2 of 11

Revison Number: 5.26.04.06-5.26.04.06

732,000 733,000 734,000 735,000 736,000 737,000 738,000

2,699,000 2,698,000 2,697,000

COMMON FENCE POINT

THE HUMMOCKS

PORTSMOUTH

TIVERTON RHODE ISLAND

SAKONNET RIVER

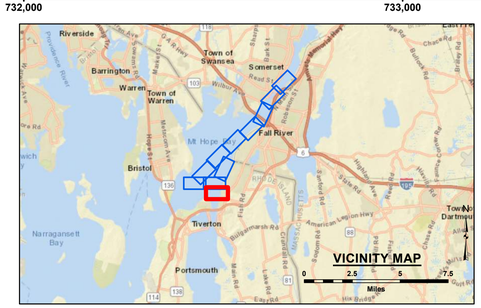
FLOOD EBB

35-FOOT TIVERTON CHANNEL SOUTH BRANCH REACH

GC-17

20+00 30+00 40+00 43+23

400' 400'



LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Survey

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

N W E S

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: SV Kennebec
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: INS Integrated Reson (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 50'
Field Books: R&H 4986
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Reference NOAA Chart No.: US5FAVBA,US5FAVBB,US5FAVCA, US5FAVCB,US5MA1HB,US5PVDFE

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Project Remarks

Marine infrastructure surveyed with Lidar.

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: Zachary McAvoy
APPROVED BY: NAE Survey
SURVEYED BY: MJD
CHECKED BY: JAB
ISSUE DATE: 6/8/2026
SIZE: ANSI D
MAP DOCUMENT: MA_62_FLR_20260527_CS_026

FALL RIVER HARBOR
TIVERTON TO SOMERSET,
RHODE ISLAND AND MASSACHUSETTS
CONDITION SURVEY

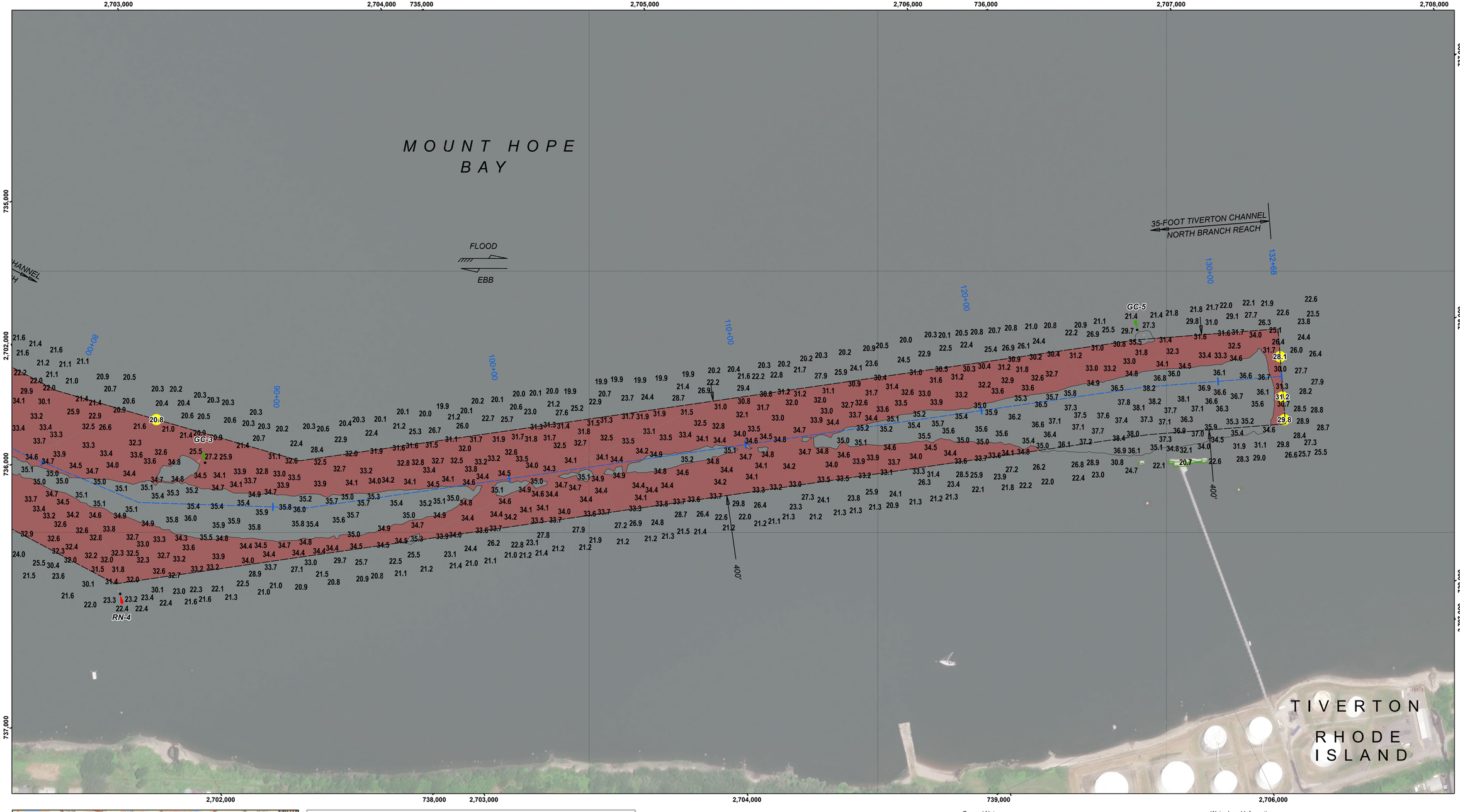
35-FOOT CHANNELS AND TURNING BASIN
30-FOOT CHANNELS AND
25-FOOT ANCHORAGE

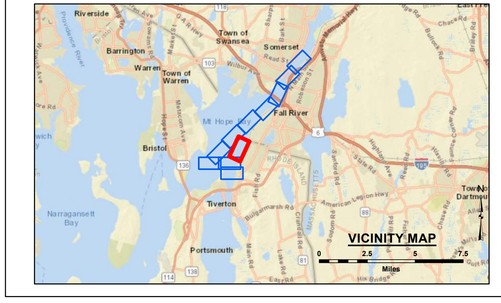
File Name: **MA_62_FLR_20260527_CS_026**

SHEET IDENTIFICATION
Fall River Harbor

Sheet 3 of 11

Revison Number: 5.26.04.06-5.26.04.06





LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Survey

GRAPHIC SCALE
200 0 200 400
1" = 200' Feet

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: SV Kennebec
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: INS Integrated Reson (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 50'
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Reference NOAA Chart No.: US5FAVBA,US5FAVBB,US5FAVCA, US5FAVCB,US5MA1HB,US5PVDFE
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Project Remarks
Marine infrastructure surveyed with Lidar.

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

SURVEYED BY: MJD
CHECKED BY: JAB
ISSUE DATE: 6/8/2026
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SIZE: ANSI D
MAP DOCUMENT: MA_62_FLR_20260527_CS_026

FALL RIVER HARBOR
TIVERTON TO SOMERSET,
RHODE ISLAND AND MASSACHUSETTS
CONDITION SURVEY

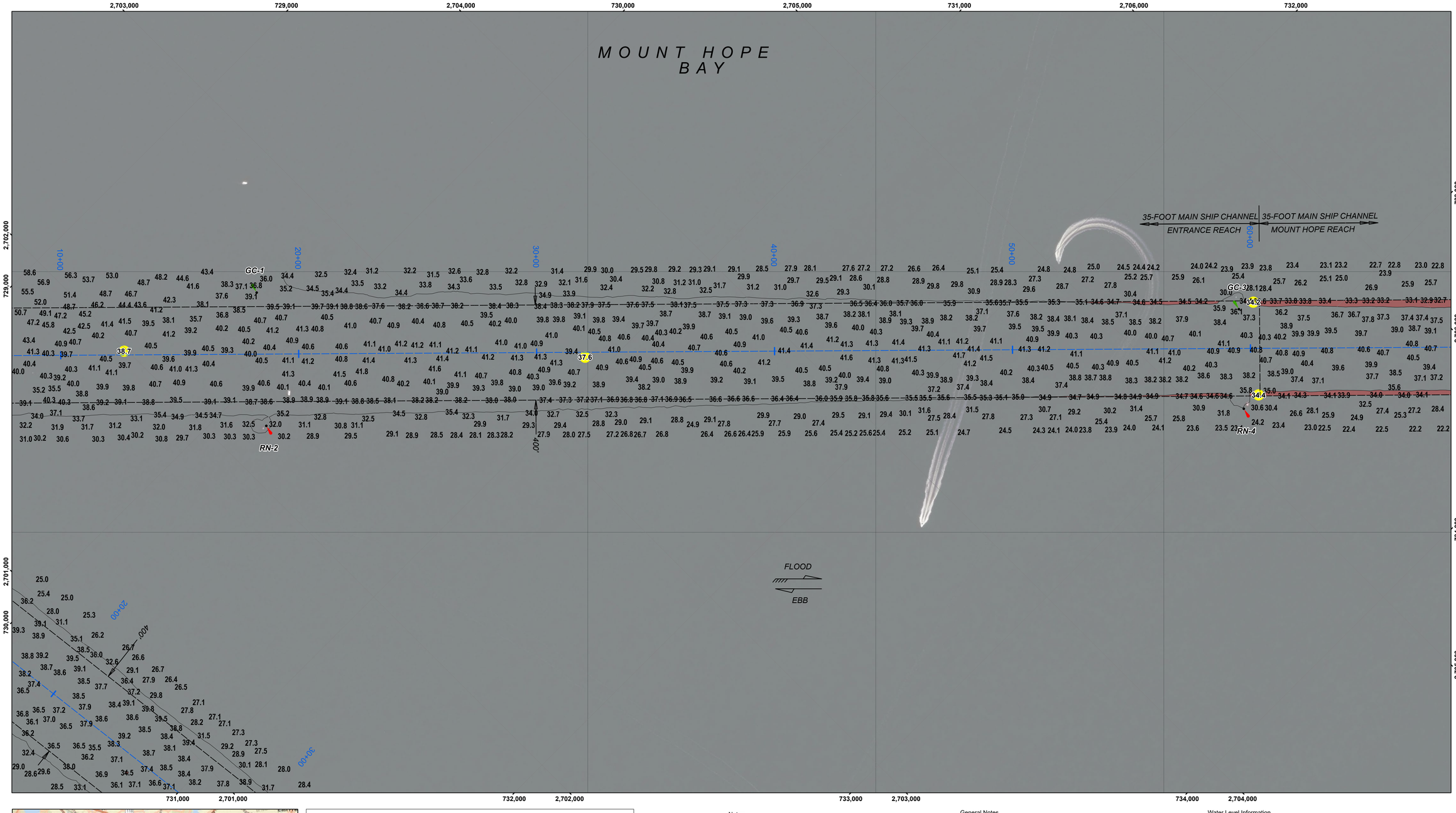
35-FOOT CHANNELS AND TURNING BASIN
30-FOOT CHANNELS AND
25-FOOT ANCHORAGE

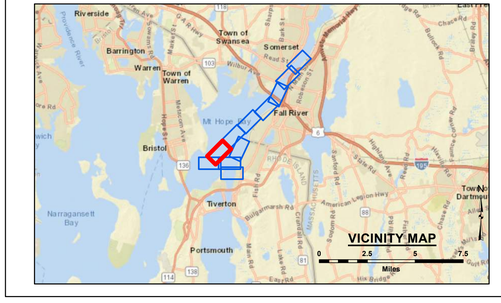
File Name: MA_62_FLR_20260527_CS_026

SHEET IDENTIFICATION
Fall River Harbor

Sheet 4 of 11

Revison Number: 5.26.04.06-5.26.04.06





LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Survey

GRAPHIC SCALE
200 0 200 400
1" = 200' Feet

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: SV Kennebec
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: INS Integrated Reson (RTK)
RTK Base Station: MTS Smartnet Max
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Reference NOAA Chart No.: US5FAVBA,US5FAVBB,US5FAVCA, US5FAVCB,US5MA1HB,US5PVDFE
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Project Remarks
Marine infrastructure surveyed with Lidar.

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

SURVEYED BY: MJD
CHECKED BY: JAB
ISSUE DATE: 6/9/2026
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
MAP DOCUMENT: MA_62_FLR_20260527_CS_026
SIZE: ANSI D

FALL RIVER HARBOR
TIVERTON TO SOMERSET,
RHODE ISLAND AND MASSACHUSETTS
CONDITION SURVEY

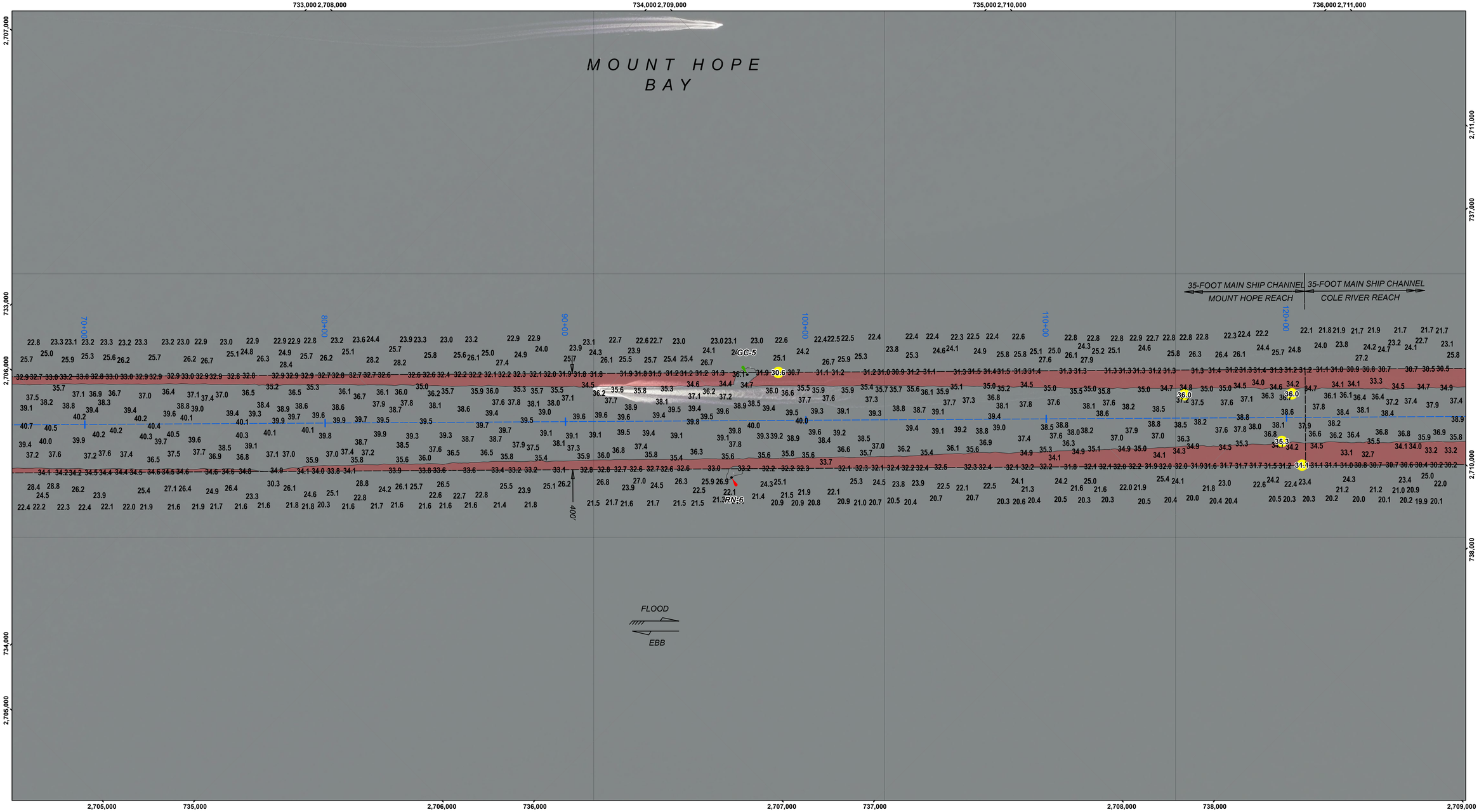
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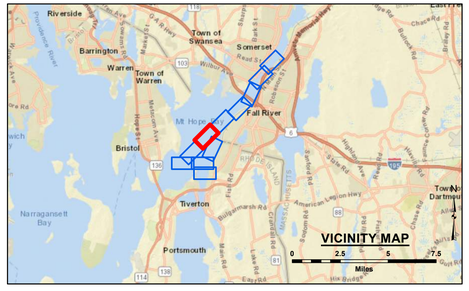
File Name: MA_62_FLR_20260527_CS_026

SHEET IDENTIFICATION
Fall River Harbor

Sheet 5 of 11

Revison Number: 5.26.04.06-5.26.04.06





LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Survey

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

Notes:

Horizontal Datum: Mass Mainland, MA-2001 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
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Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
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Survey No.: MA_62_FLR_20260527_CS_026
Reference NOAA Chart No.: US5FAVBA,US5FAVBB,US5FAVCA, US5FAVCB,US5MA1HB,US5PVDFE

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Project Remarks

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJD
CHECKED BY: JAB
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
ISSUE DATE: 6/8/2026
SIZE: ANSI D
MAP DOCUMENT: MA_62_FLR_20260527_CS_026

FALL RIVER HARBOR
TIVERTON TO SOMERSET,
RHODE ISLAND AND MASSACHUSETTS
CONDITION SURVEY

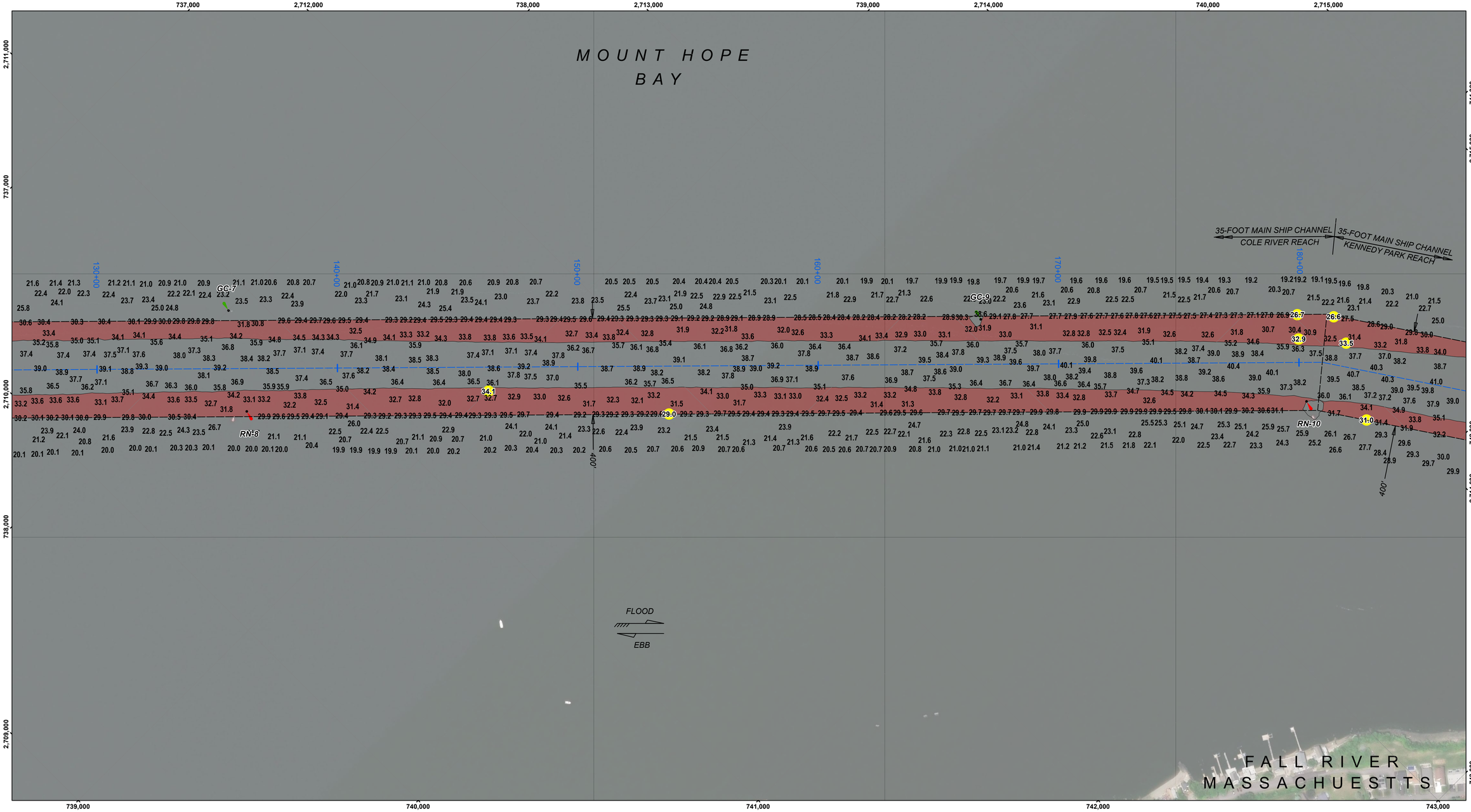
35-FOOT CHANNELS AND TURNING BASIN
30-FOOT CHANNELS AND
25-FOOT ANCHORAGE

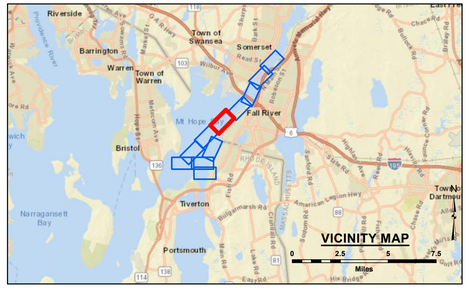
File Name: MA_62_FLR_20260527_CS_026

SHEET IDENTIFICATION
Fall River Harbor

Sheet 6 of 11

Revison Number: 5.26.04.06-5.26.04.06





LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Survey

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

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: SV Kennebec
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: INS Integrated Reson (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 50'
Field Books: R&H 4986
Survey No.: MA_62_FLR_20260527_CS_026
Reference NOAA Chart No.: US5FAVBA,US5FAVBB,US5FAVCA, US5FAVCB,US5MA1HB,US5PVDFE

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Project Remarks

Marine infrastructure surveyed with Lidar.

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

SURVEYED BY: MJD
CHECKED BY: JAB
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
ISSUE DATE: 6/8/2026
SIZE: ANSI D
MAP DOCUMENT: MA_62_FLR_20260527_CS_026

FALL RIVER HARBOR
TIVERTON TO SOMERSET,
RHODE ISLAND AND MASSACHUSETTS
CONDITION SURVEY

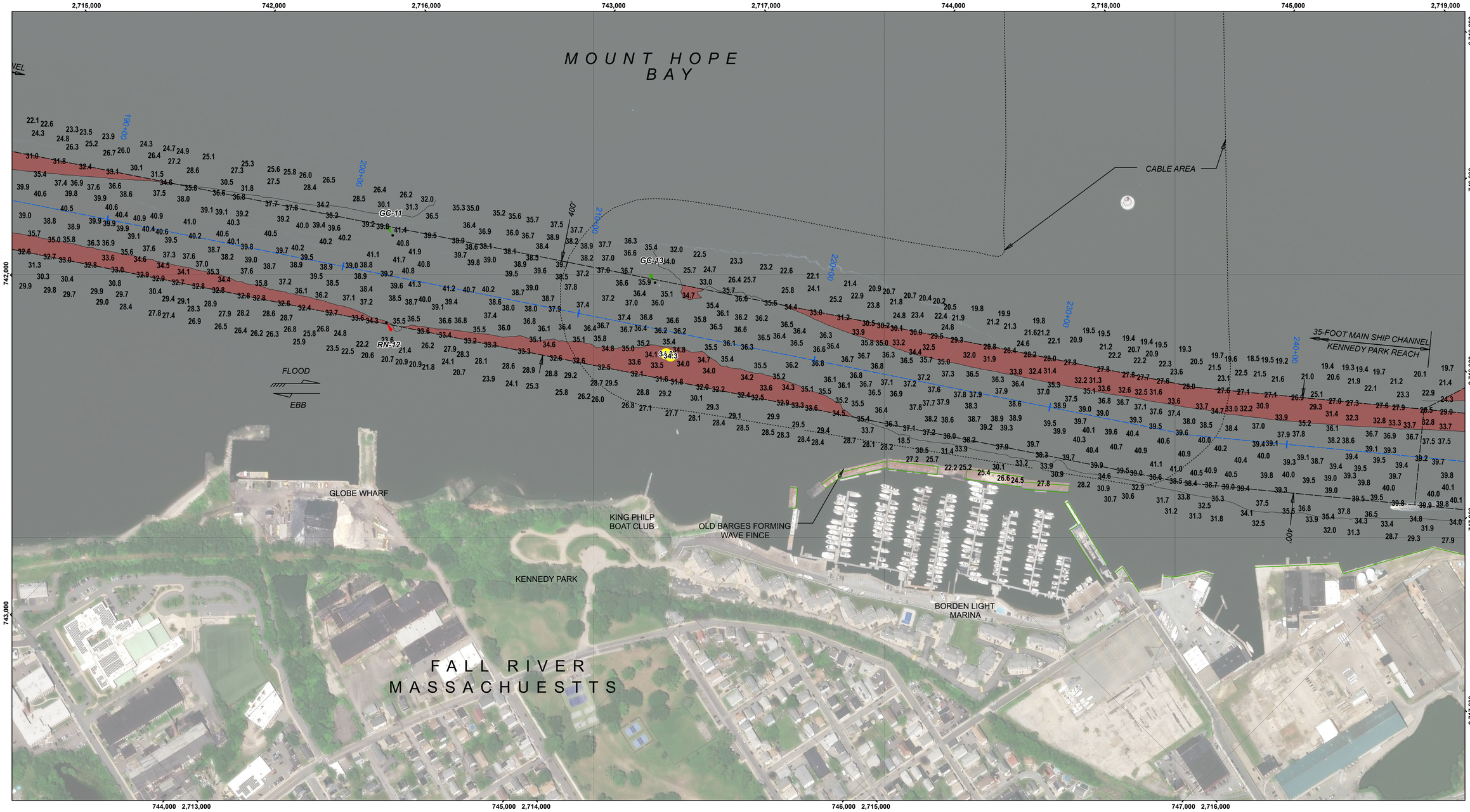
35-FOOT CHANNELS AND TURNING BASIN
30-FOOT CHANNELS AND
25-FOOT ANCHORAGE

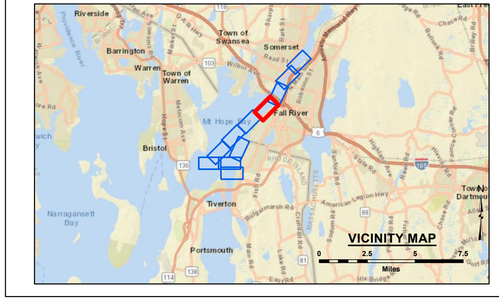
File Name: MA_62_FLR_20260527_CS_026

SHEET IDENTIFICATION
Fall River Harbor

Sheet 7 of 11

Revison Number: 5.26.04.06-5.26.04.06





LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Survey

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

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: SV Kennebec
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: INS Integrated Reson (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 50'
Field Books: R&H 4986
Survey No.: MA_62_FLR_20260527_CS_026
Reference NOAA Chart No.: US5FAVBA,US5FAVBB,US5FAVCA, US5FAVCB,US5MA1HB,US5PVDFE
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Water Level Information

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Project Remarks

Marine infrastructure surveyed with Lidar.

US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJD
CHECKED BY: JAB
ISSUE DATE: 6/9/2026
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SIZE: ANSI D
MAP DOCUMENT: MA_62_FLR_20260527_CS_026

FALL RIVER HARBOR
TIVERTON TO SOMERSET,
RHODE ISLAND AND MASSACHUSETTS
CONDITION SURVEY

35-FOOT CHANNELS AND TURNING BASIN
30-FOOT CHANNELS AND
25-FOOT ANCHORAGE

File Name: **MA_62_FLR_20260527_CS_026**

SHEET IDENTIFICATION
Fall River Harbor

Sheet 8 of 11

Revison Number: 5.26.04.06-5.26.04.06

CORPS OF ENGINEERS U.S. ARMY

745,000 2,718,000 2,719,000 746,000 2,721,000 747,000 2,723,000

CABLE AREA

TAUNTON RIVER

FLOOD

EBB

GLADDING-HEARN SHIPBUILDING

CHARLES M. BRAGA
FIXED BRIDGE
HOR CL 400 FT
VERT CL 135 FT

25-FOOT WEST ANCHORAGE

30-FOOT ACCESS CHANNEL

35-FOOT MAIN SHIP CHANNEL
KENNEDY PARK REACH

GC-15

STATE PIER

ROUTE 195

35-FOOT MAIN SHIP CHANNEL
BRAYTON POINT REACH

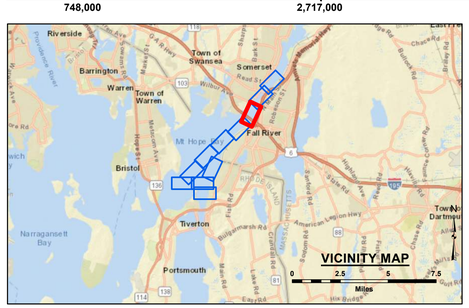
30-FOOT WATERFRONT CHANNEL

CITY PIER

FALL RIVER
MASSACHUESTTS

746,000 2,717,000 2,718,000 749,000 2,719,000 2,720,000 750,000 2,721,000

747,000 748,000 749,000 750,0002,722,000



LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Survey

GRAPHIC SCALE
200 0 200 400
1" = 200' Feet

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: SV Kennebec
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: INS Integrated Reson (RTK)
RTK Base Station: MTS Smartnet Max
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Project Remarks
Marine infrastructure surveyed with Lidar.

US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

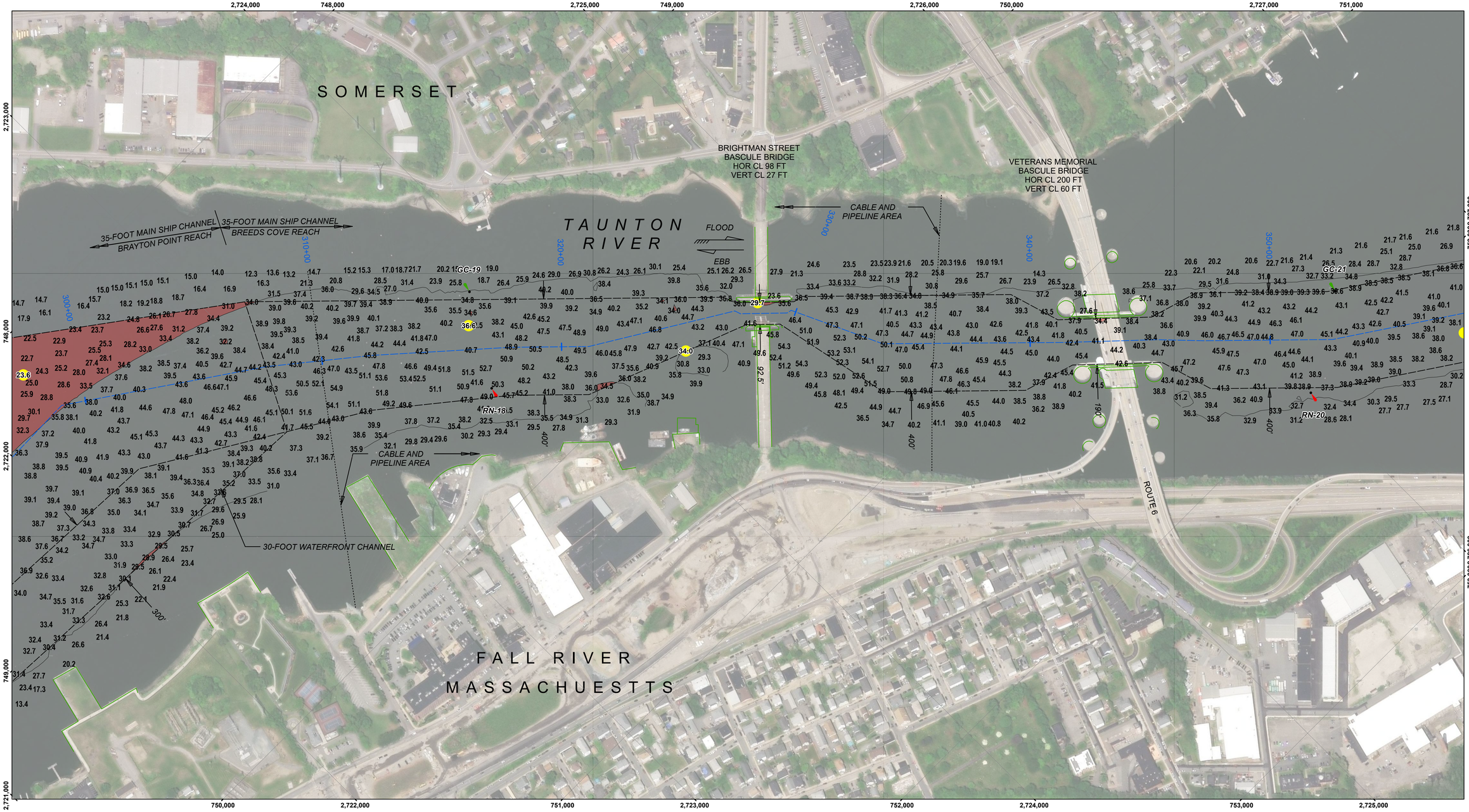
SURVEYED BY: MJD
CHECKED BY: JAB
ISSUE DATE: 6/8/2026
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SIZE: ANSI D
MAP DOCUMENT: MA_62_FLR_20260527_CS_026

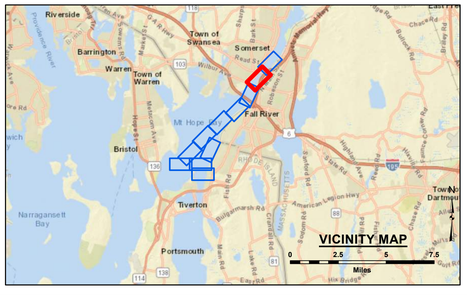
FALL RIVER HARBOR
TIVERTON TO SOMERSET,
RHODE ISLAND AND MASSACHUSETTS
CONDITION SURVEY
35-FOOT CHANNELS AND TURNING BASIN
30-FOOT CHANNELS AND
25-FOOT ANCHORAGE
File Name: MA_62_FLR_20260527_CS_026

SHEET IDENTIFICATION
Fall River Harbor

Sheet 9 of 11

Revison Number: 5.26.04.06-5.26.04.06





LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
- Marine Infrastructure*
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Survey

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

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: SV Kennebec
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: INS Integrated Reson (RTK)
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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJD
CHECKED BY: JAB
ISSUE DATE: 6/8/2026
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SIZE: ANSI D
MAP DOCUMENT: MA_62_FLR_20260527_CS_026

FALL RIVER HARBOR, TIVERTON TO SOMERSET, RHODE ISLAND AND MASSACHUSETTS CONDITION SURVEY

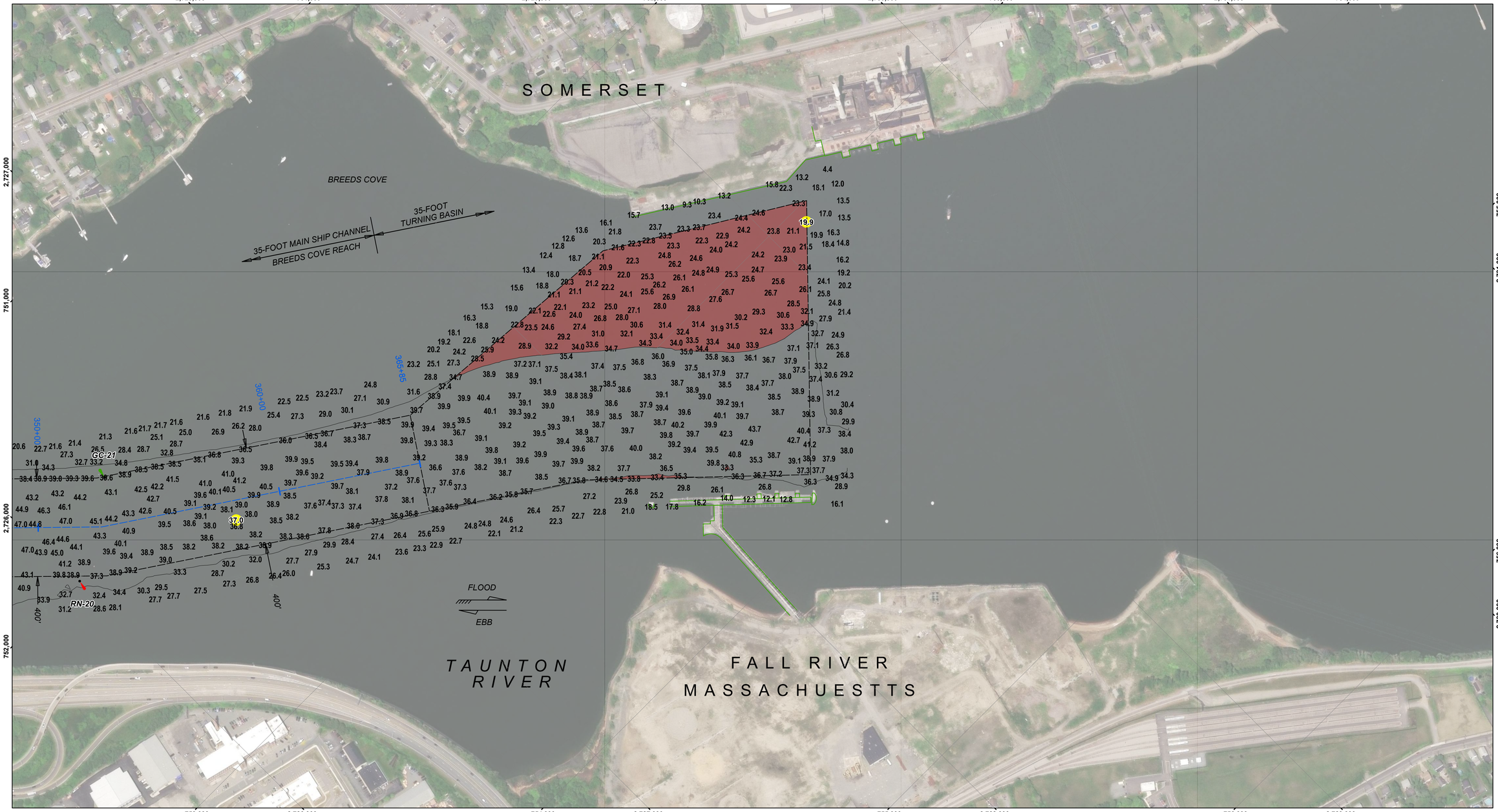
35-FOOT CHANNELS AND TURNING BASIN 30-FOOT CHANNELS AND 25-FOOT ANCHORAGE

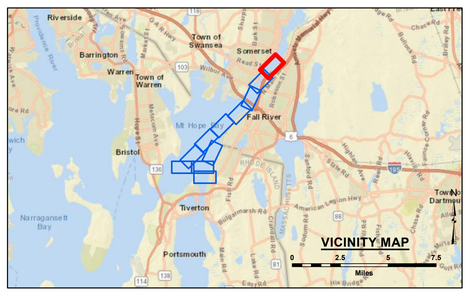
File Name: MA_62_FLR_20260527_CS_026

SHEET IDENTIFICATION
Fall River Harbor

Sheet 10 of 11

Revison Number: 5.26.04.06-5.26.04.06





LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
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- Green Navigation Buoy*
- Shoaling Area
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** Shoalest Sounding per Quarter per Reach
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GRAPHIC SCALE

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Notes:

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Project Remarks

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJD
CHECKED BY: JAB
ISSUE DATE: 6/8/2026

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

MAP DOCUMENT: MA_62_FLR_20260527_CS_026

SIZE: ANSI D

FALL RIVER HARBOR
TIVERTON TO SOMERSET,
RHODE ISLAND AND MASSACHUSETTS
CONDITION SURVEY

35-FOOT CHANNELS AND TURNING BASIN
30-FOOT CHANNELS AND
25-FOOT ANCHORAGE

File Name: MA_62_FLR_20260527_CS_026

SHEET IDENTIFICATION
Fall River Harbor

Sheet 11 of 11

Revison Number: 5.26.04.06-5.26.04.06