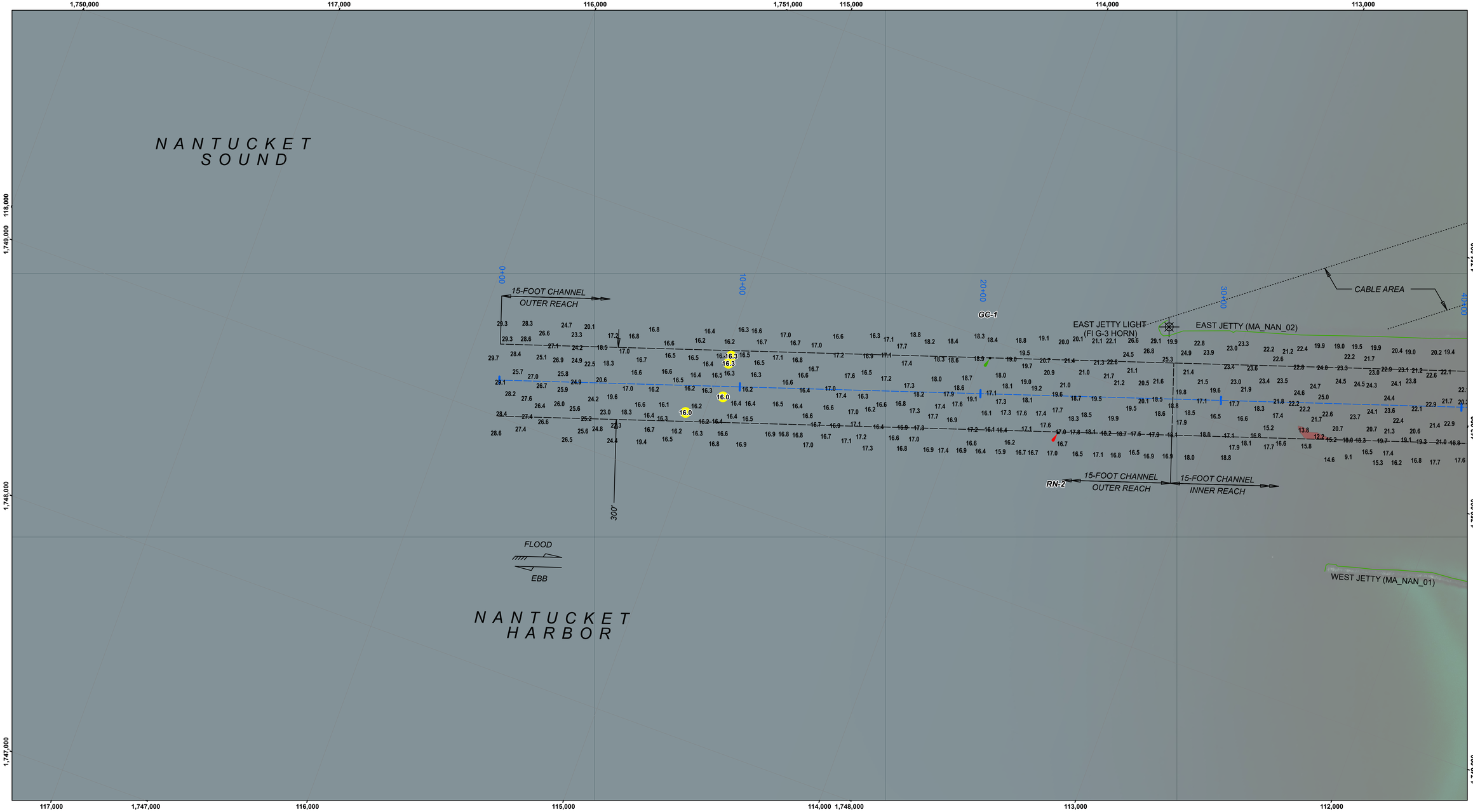
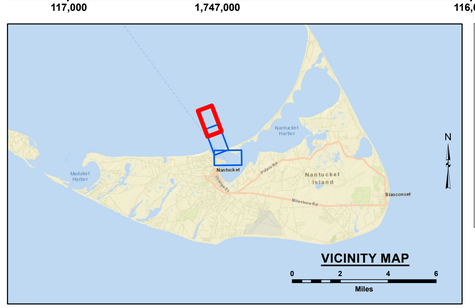



## LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable/Pipeline Area
- Contour Line
- Marine Infrastructure*
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Junction Buoy
- Shoaling Area
- Shoalest Sounding**

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

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

Notes:

Horizontal Datum: Mass Island, MA-2002 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: KEEGAN
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 - 400 kHz
Survey Method: RTK GPS Tides
GPS_System: Applanix POS MV (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 50'
Field Books: R&H 4984
Survey No.: MA_45_NAN_20251120_CS_070
Reference NOAA Chart No.: US5MA1BR

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 ship mounted LiDAR.

Water Level Information

Tides were recorded using RTK GPS. NAVD88 to MLLW corrections were logged utilizing NOAA's V-Datum regional model Maine/New Hampshire/Massachusetts Version 2.3. The NAVD88 to MLLW correction for the project ranges from 2.12 to 2.19 Ft. 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: NCD
CHECKED BY: ZSM
ISSUE DATE: 12/5/2025
SUBMITTED BY: Barrett Morse
APPROVED BY: NAE Survey
MAP DOCUMENT: MA_45_NAN_20251120_CS_070
SIZE: ANSI D

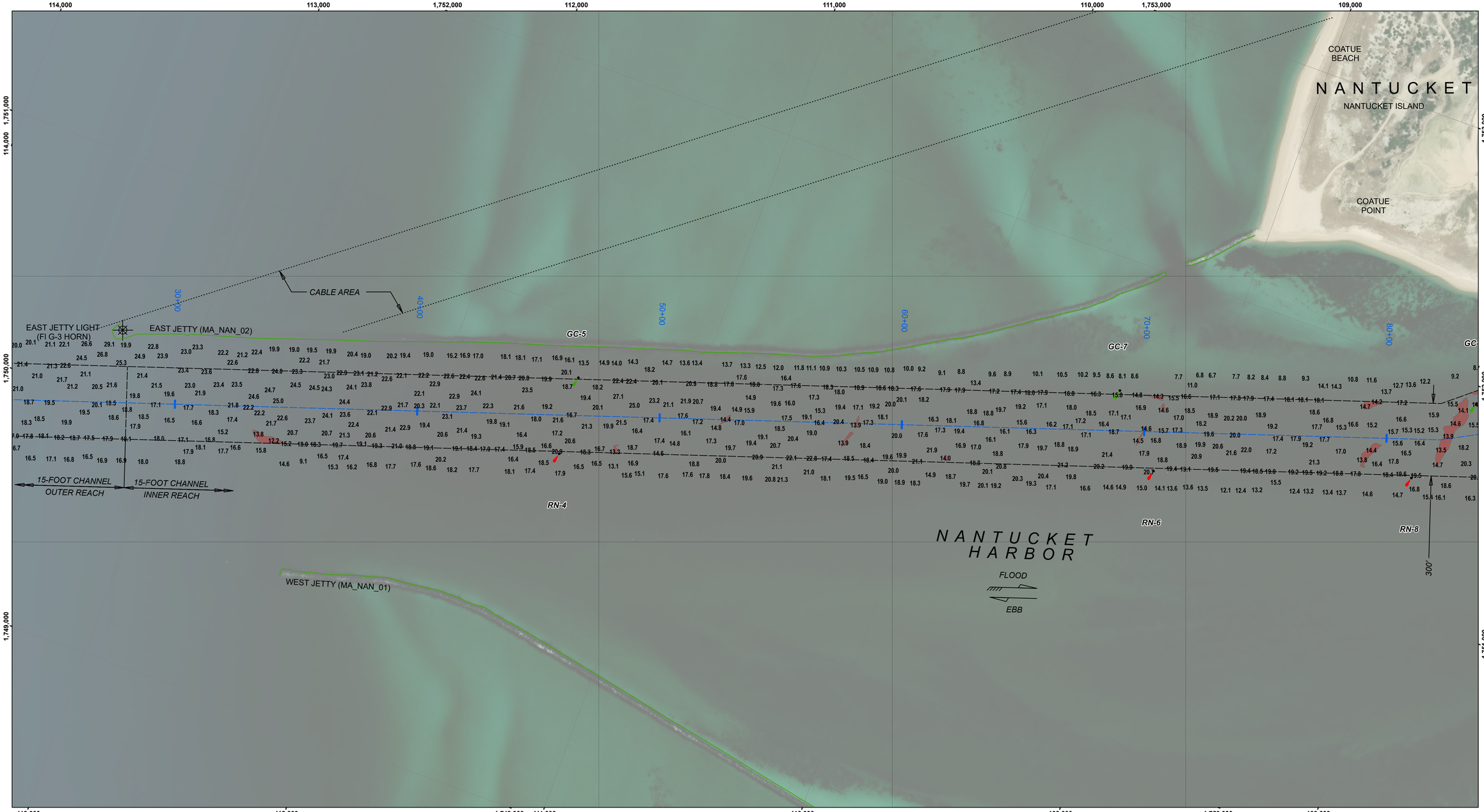
**NANTUCKET HARBOR**
**(HARBOR OF REFUGE)**
**NANTUCKET, MASSACHUSETTS**
**CONDITION SURVEY**

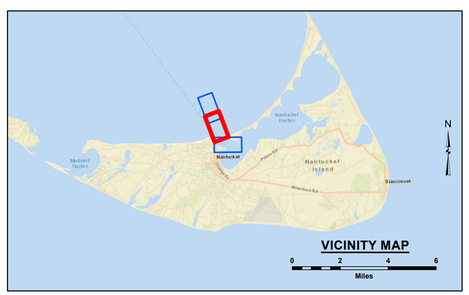
**15-FOOT CHANNEL**
File Name: **MA_45_NAN_20251120_CS_070**

**SHEET IDENTIFICATION**
**Nantucket Harbor**

**Sheet 1 of 3**

Revison Number: 5.24.09.03-5.24.09.03




## LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable/Pipeline Area
- Contour Line
- Marine Infrastructure*
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
- Junction Buoy
- Shoaling Area
- Shoalest Sounding**

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

GRAPHIC SCALE

1" = 200' 200 0 200 400 Feet

Notes:

Horizontal Datum: Mass Island, MA-2002 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: KEEGAN
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 - 400 kHz
Survey Method: RTK GPS Tides
GPS_System: Applanix POS MV (RTK)
RTK Base Station: MTS Smartnet Max
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Sounding Sort Distance: 50'
Field Books: R&H 4984
Survey No.: MA_45_NAN_20251120_CS_070
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Project Remarks

Marine Infrastructure surveyed with ship mounted LiDAR.

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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: Barrett Morse
APPROVED BY: NAE Survey

SURVEYED BY: NCD
CHECKED BY: ZSM
ISSUE DATE: 12/5/2025

MAP DOCUMENT: MA_45_NAN_20251120_CS_070

SIZE: ANSI D

**NANTUCKET HARBOR (HARBOR OF REFUGE)**
**NANTUCKET, MASSACHUSETTS**
**CONDITION SURVEY**

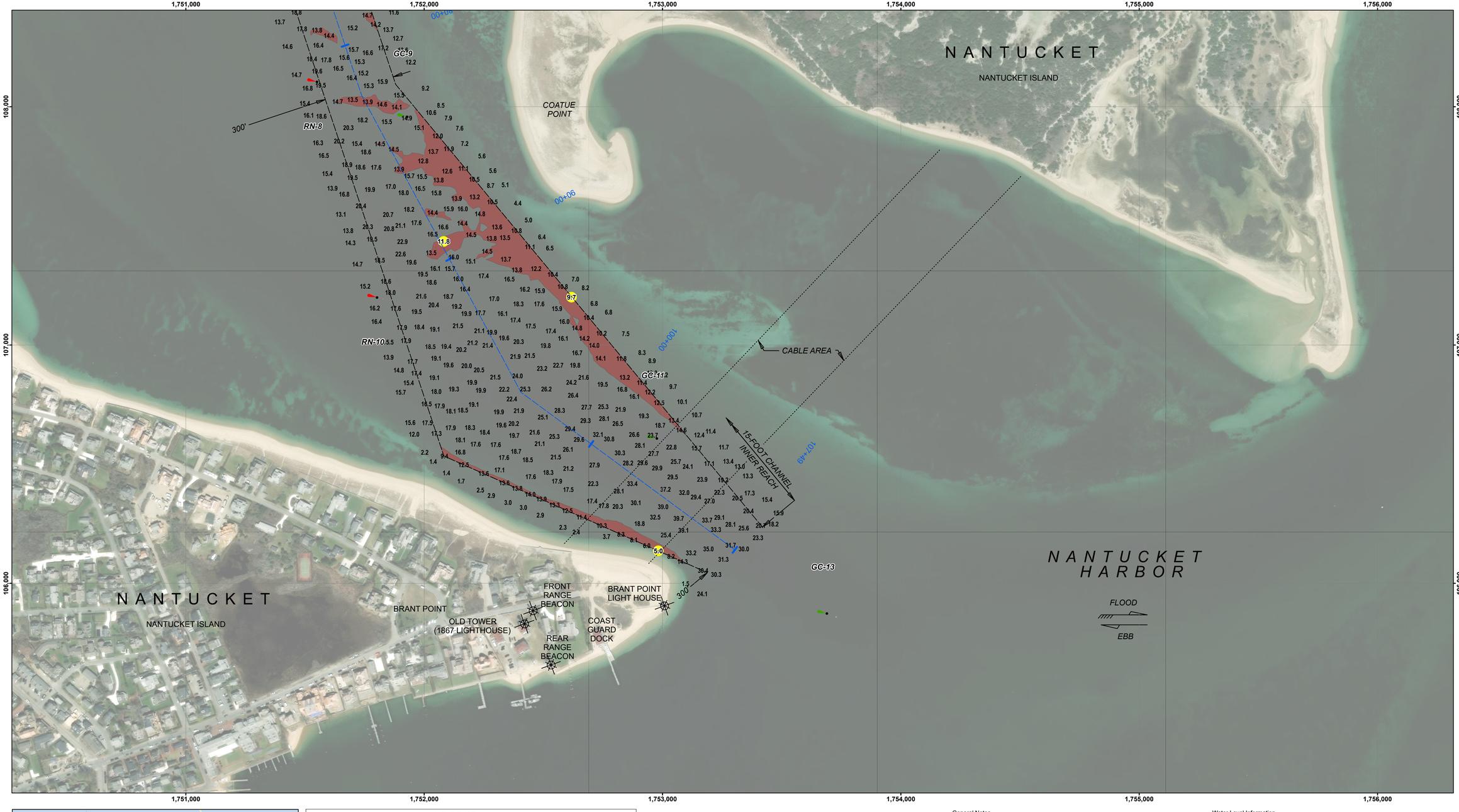
**15-FOOT CHANNEL**

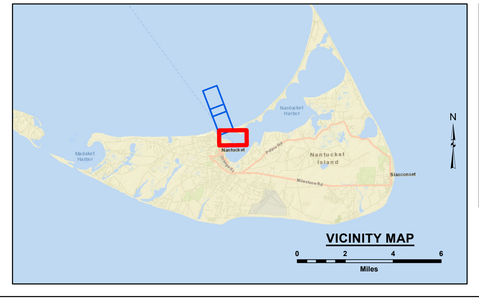
File Name: **MA_45_NAN_20251120_CS_070**

**SHEET IDENTIFICATION**
**Nantucket Harbor**

**Sheet 2 of 3**

Revison Number: 5.24.09.03-5.24.09.03




## LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable/Pipeline Area
- Contour Line
- Marine Infrastructure*
- Fixed Navigation Aids
- Red Navigation Buoy*
- Green Navigation Buoy*
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- Shoaling Area
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** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

N W E S

Notes:

Horizontal Datum: Mass Island, MA-2002 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: KEEGAN
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Project Remarks

Marine Infrastructure surveyed with ship mounted LiDAR.

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US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: NCD
CHECKED BY: ZSM
ISSUE DATE: 12/5/2025
SUBMITTED BY: Barrett Morse
APPROVED BY: NAE Survey
MAP DOCUMENT: MA_45_NAN_20251120_CS_070
SIZE: ANSI D

**NANTUCKET HARBOR (HARBOR OF REFUGE) NANTUCKET, MASSACHUSETTS CONDITION SURVEY**

**15-FOOT CHANNEL**

File Name: **MA_45_NAN_20251120_CS_070**

**SHEET IDENTIFICATION**
**Nantucket Harbor**

**Sheet 3 of 3**

Revison Number: 5.24.09.03-5.24.09.03