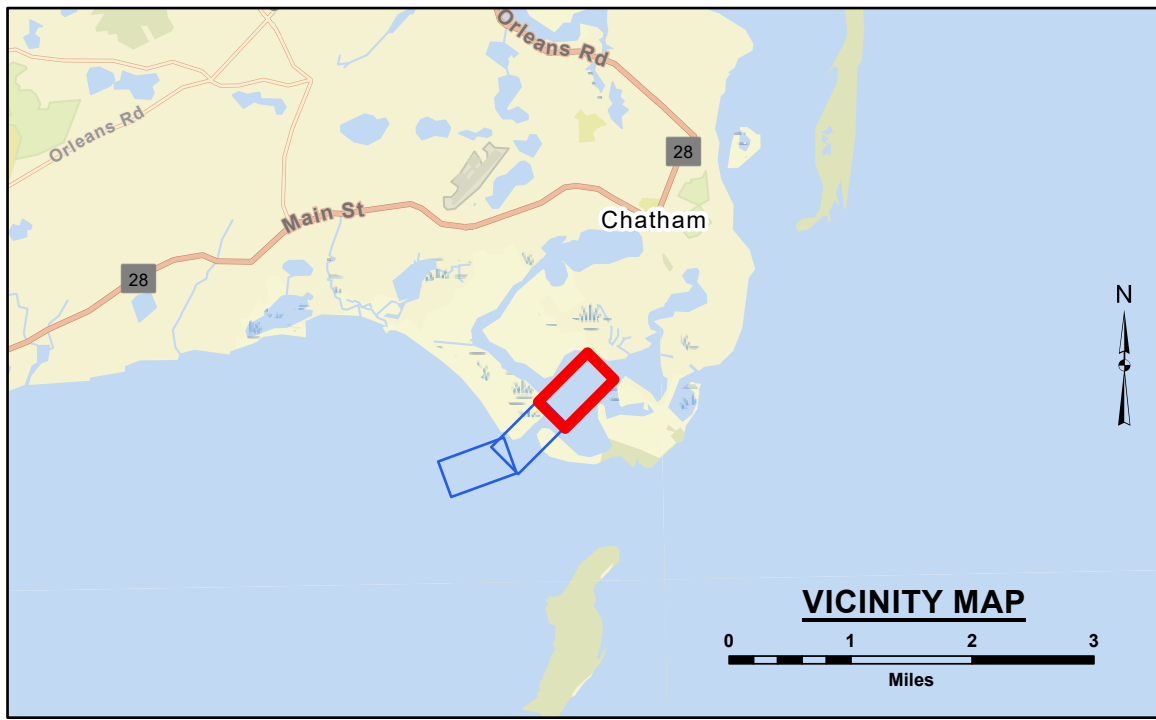
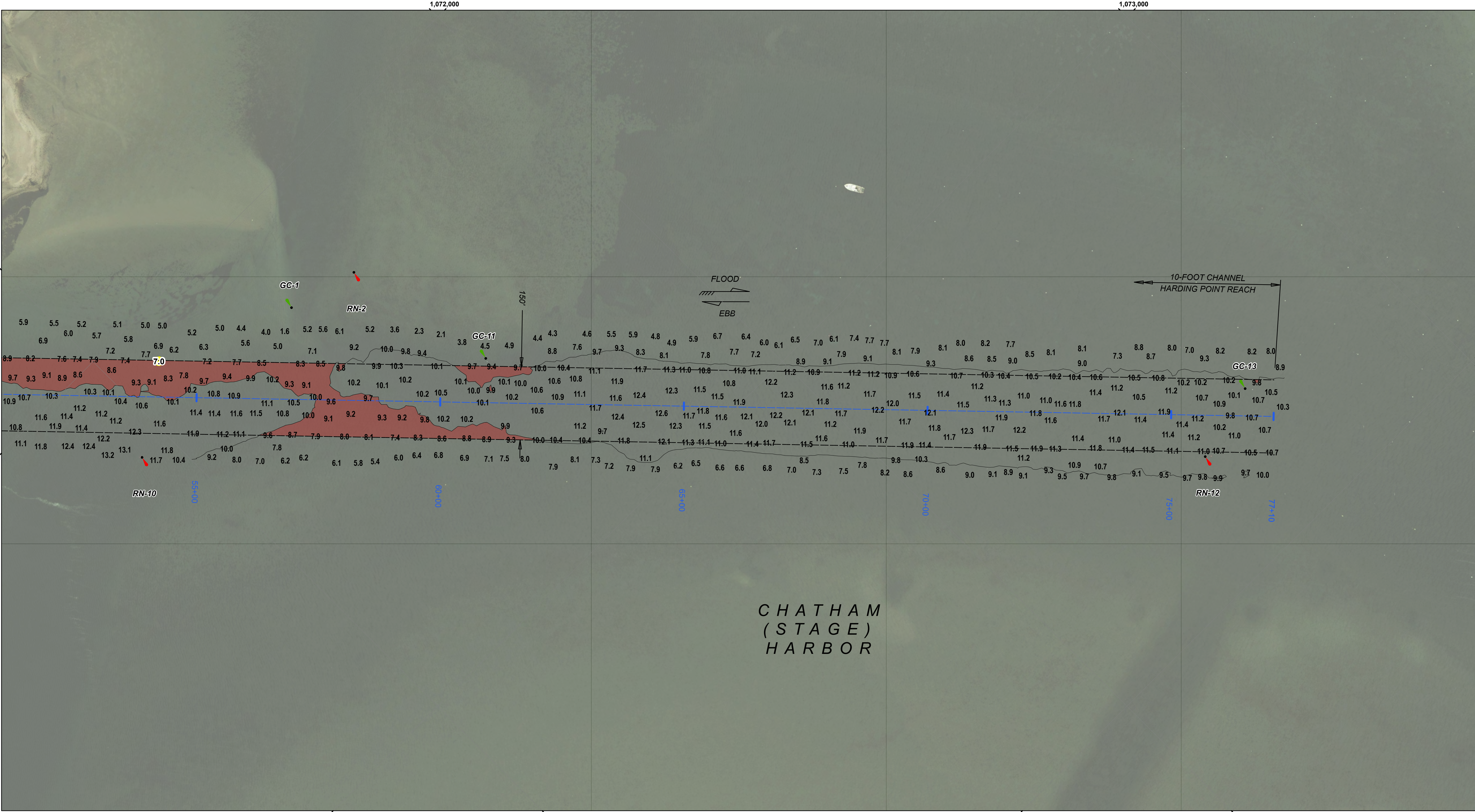




LEGEND

--- Federal Navigation Channel

..... Cable or Pipeline area

--- Channel Center Line

— Contour Line

— Marine Infrastructure*

— Approx. Wildlife Refuge Limits

⊠ Fixed Navigation Aids

! Red Navigation Buoy*

! Green Navigation Buoy*

■ Shoaling Area

● Shoalest Sounding**

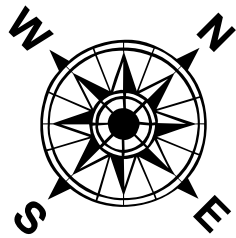
⊠ Obstruction

GRAPHIC SCALE

1" = 100'

0 100 200 Feet

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



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 Keegan
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS TIDES
GPS System: Trimble Applanix POS-MV (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 30'
Field Books: R&H 4987
Survey No.: MA_43_CHA_20260914_BD_054
Reference NOAA Chart No.: US5MA1GS, US5MA1GT

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 September 2026. The positions of aids to navigation were located during survey operations, are provided for information only and should not be used for navigation. Orthoimagery 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
Lidar data of high shoaling areas included with sounding data. Isolated debris obstructions outside of channel marked on the plot.

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 corrections in the project area range from 2.71 feet to 3.32 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

DISCLAIMER
Access Constraints: 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 provided. The recipient is responsible for the accuracy, completeness, and reliability of the data for the purpose intended. The recipient is responsible for the accuracy, completeness, and reliability of the data for the purpose intended. The recipient is responsible for the accuracy, completeness, and reliability of the data for the purpose intended. The recipient is responsible for the accuracy, completeness, and reliability of the data for the purpose intended.

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		SURVEYED BY: NCD		CHECKED BY: JAB		ISSUE DATE: 9/18/2026	
SUBMITTED BY: Zachary McAvoy		APPROVED BY: NAE Survey		FILE NAME: MA_43_CHA_20260914_BD_054		SIZE: ATSD	

**CHATHAM (STAGE) HARBOR
CHATHAM, MASSACHUSETTS
PRE DREDGE SURVEY**

10-FOOT CHANNEL

File Name: MA_43_CHA_20260914_BD_054

**SHEET
IDENTIFICATION**

Chatham Harbor

Sheet 3 of 3