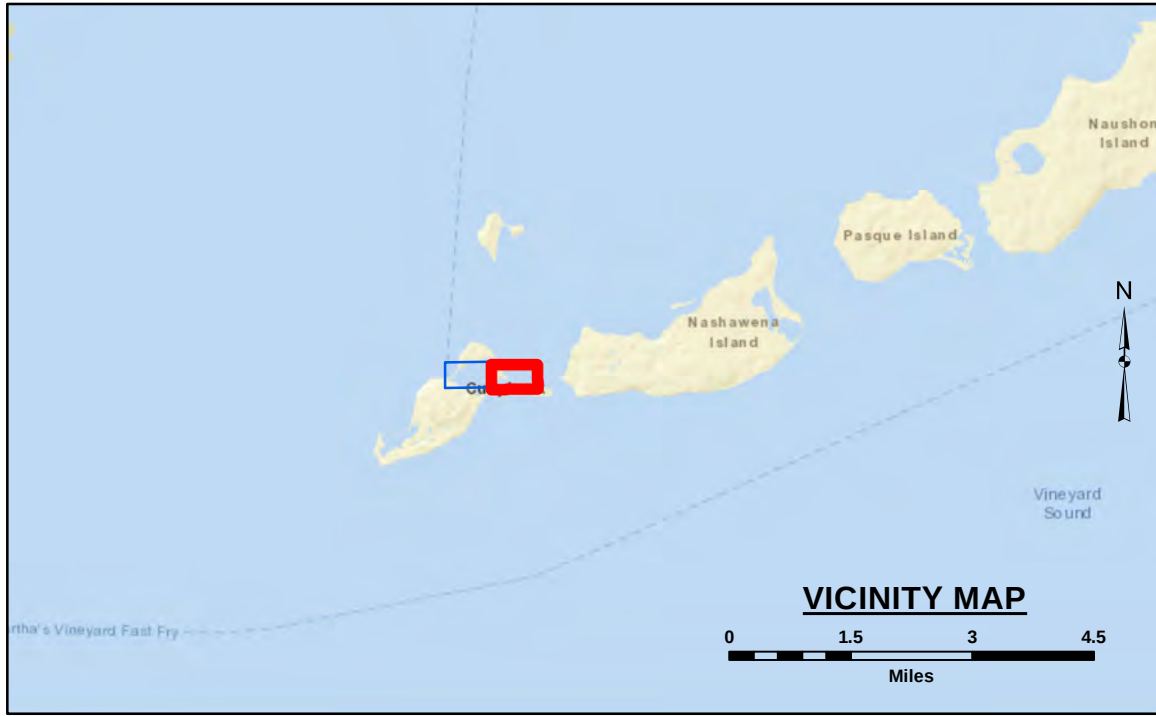
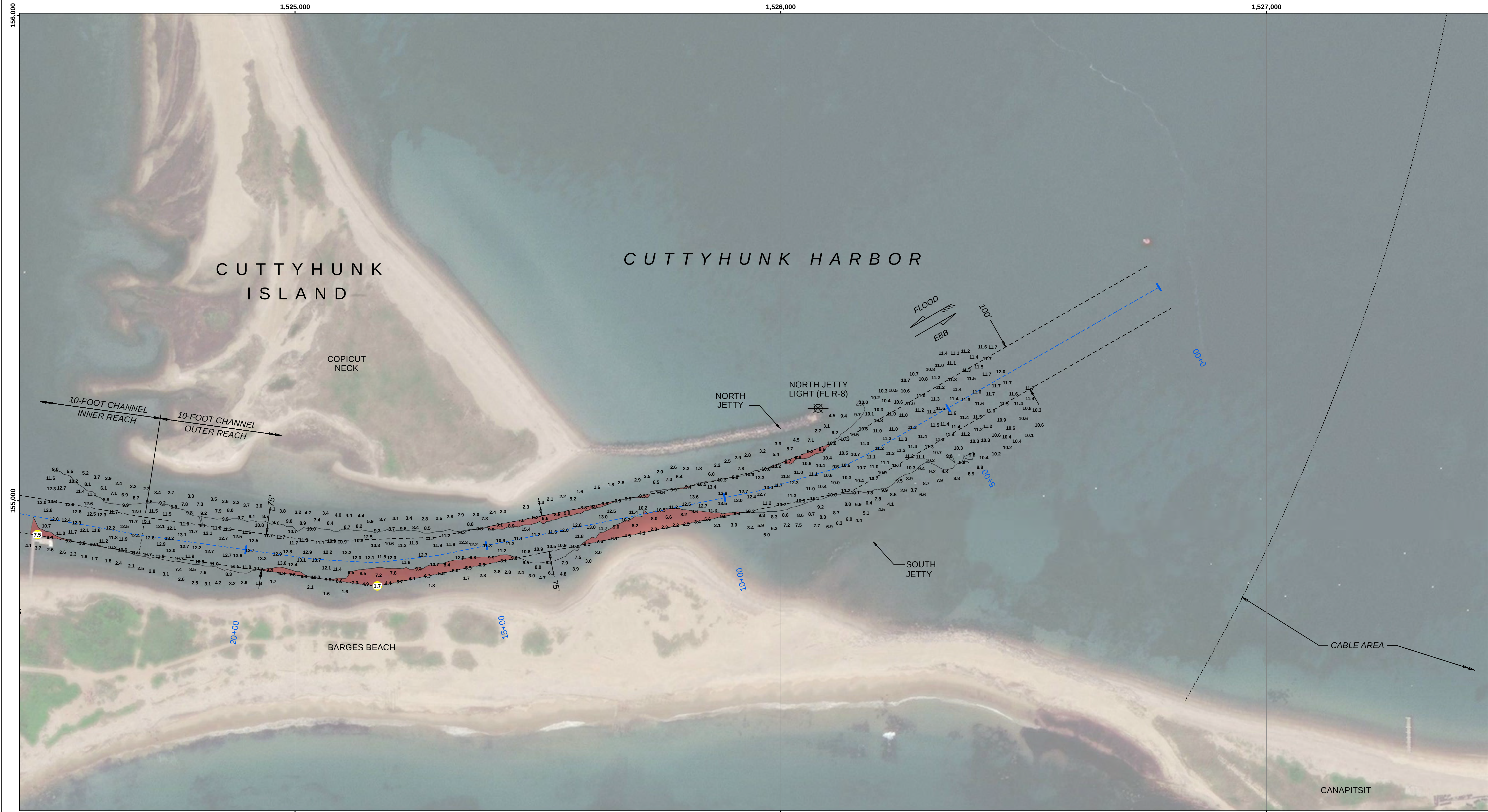
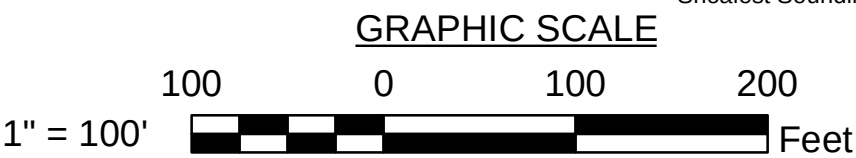
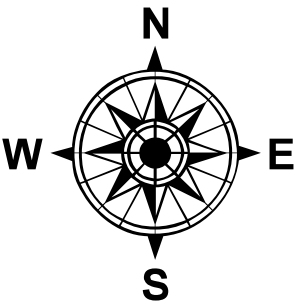




| LEGEND                         |                         |
|--------------------------------|-------------------------|
| --- Federal Navigation Channel | ⊠ Fixed Navigation Aids |
| - - - Channel Center Line      | ⊠ Obstruction Point     |
| ..... Cable Submarine          | ! Red Navigation Buoy   |
| --- Pipes (Gas/Sewer)          | ! Green Navigation Buoy |
| — Contour Line                 | ■ Shoaling Area         |
|                                | ● Shoalest Sounding**   |

\*\* Shoalest Sounding per Quarter per Reach



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: 400 kHz  
Survey Method: RTK GPS Tides  
GPS System: Trimble SPS 855 (RTK)  
RTK Base Station: BM Landing (2007)  
Software Used: Hypack  
Sounding Sort Distance: 20'  
Field Books: R&H 4965  
Survey No.: MA\_56\_CUT\_20200106\_AD\_095  
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 2020. 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. 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. Volumes are determined from more sounding information than shown.

Project Remarks

Federal navigation project not surveyed in its entirety. Survey coverage to extents of safe surveying, top of bank beneath waterline.

Water Level Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 1.79 feet to 2.00 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 Cuttyhunk Harbor, Cuttyhunk Island, 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.



Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of this data for other than its intended purpose.

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 user is responsible for the results of any application of this data for other than its intended purpose. These data belong to the Government. Therefore the recipient may not transfer these data to others without also transferring the Disclaimer.

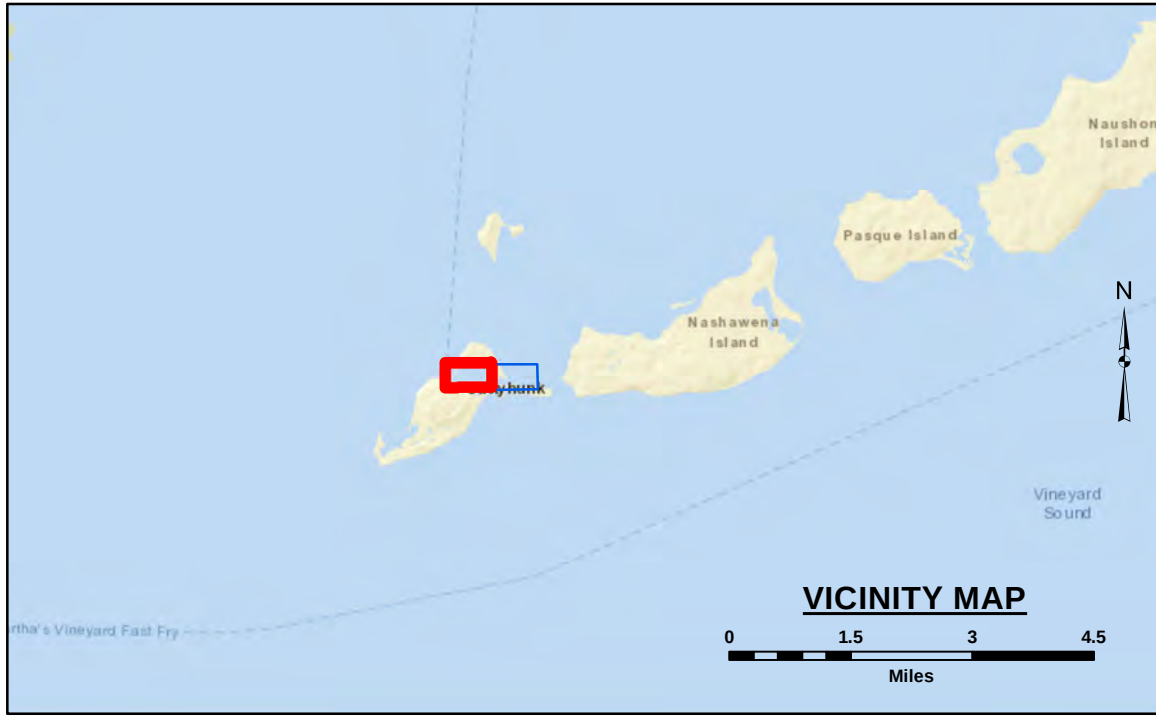
| U.S. ARMY CORPS OF ENGINEERS<br>NEW ENGLAND DISTRICT |                     | MAP DOCUMENT<br>MA_56_CUT_20200106_AD_095 |
|------------------------------------------------------|---------------------|-------------------------------------------|
| SUBMITTED BY:<br>Zachary McAvoy                      | SURVEYED BY:<br>PJB | ISSUE DATE:<br>11/13/2020                 |
| APPROVED BY:<br>NAE Survey                           | CHECKED BY:<br>ZSM  | SIZE<br>A1S1 D                            |

CUTTYHUNK HARBOR  
CUTTYHUNK ISLAND, MASSACHUSETTS  
AFTER DREDGE SURVEY  
10-FOOT CHANNEL AND ANCHORAGE

File Name: MA\_56\_CUT\_20200106\_AD\_095

SHEET  
IDENTIFICATION  
Cuttyhunk Harbor

Sheet 1 of 2



--- Federal Navigation Channel

- - - Channel Center Line

..... Cable Submarine

--- Pipes (Gas/Sewer)

— Contour Line

✕ Fixed Navigation Aids

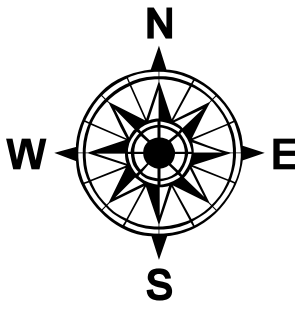
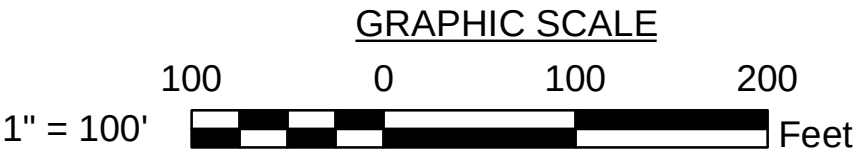
✕ Obstruction Point

! Red Navigation Buoy

! Green Navigation Buoy

■ Shoaling Area

● Shoalest Sounding\*\*



**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: 400 kHz  
Survey Method: RTK GPS Tides  
GPS System: Trimble SPS 855 (RTK)  
RTK Base Station: BM Landing (2007)  
Software Used: Hypack  
Sounding Sort Distance: 20'  
Field Books: R&H 4965  
Survey No.: MA\_56\_CUT\_20200106\_AD\_095  
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 2020. 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. 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. Volumes are determined from more sounding information than shown.

**Project Remarks**  
Federal navigation project not surveyed in its entirety. Survey coverage to extents of safe surveying, top of bank beneath waterline.

**Water Level Information**  
Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 1.79 feet to 2.00 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 Cuttyhunk Harbor, Cuttyhunk Island, 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<br>NEW ENGLAND DISTRICT |                                         |                  |                        |
| SUBMITTED BY: Zachary McAvoy                         |                                         | SURVEYED BY: PJB |                        |
| APPROVED BY: NAE Survey                              |                                         | CHECKED BY: ZSM  |                        |
| SIZE: A1S1 D                                         | MAP DOCUMENT: MA_56_CUT_20200106_AD_095 |                  | ISSUE DATE: 11/13/2020 |

CUTTYHUNK HARBOR  
CUTTYHUNK ISLAND, MASSACHUSETTS

AFTER DREDGE SURVEY

10-FOOT CHANNEL AND ANCHORAGE

SHEET  
IDENTIFICATION  
Cuttyhunk Harbor

US Army Corps  
of Engineers  
District: CENAE

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is not intended for use in any other project. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of this data for other than its intended purpose.

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 user is responsible for the results of any application of this data for other than its intended purpose. The user is responsible for the results of any application of this data for other than its intended purpose. The user is responsible for the results of any application of this data for other than its intended purpose.