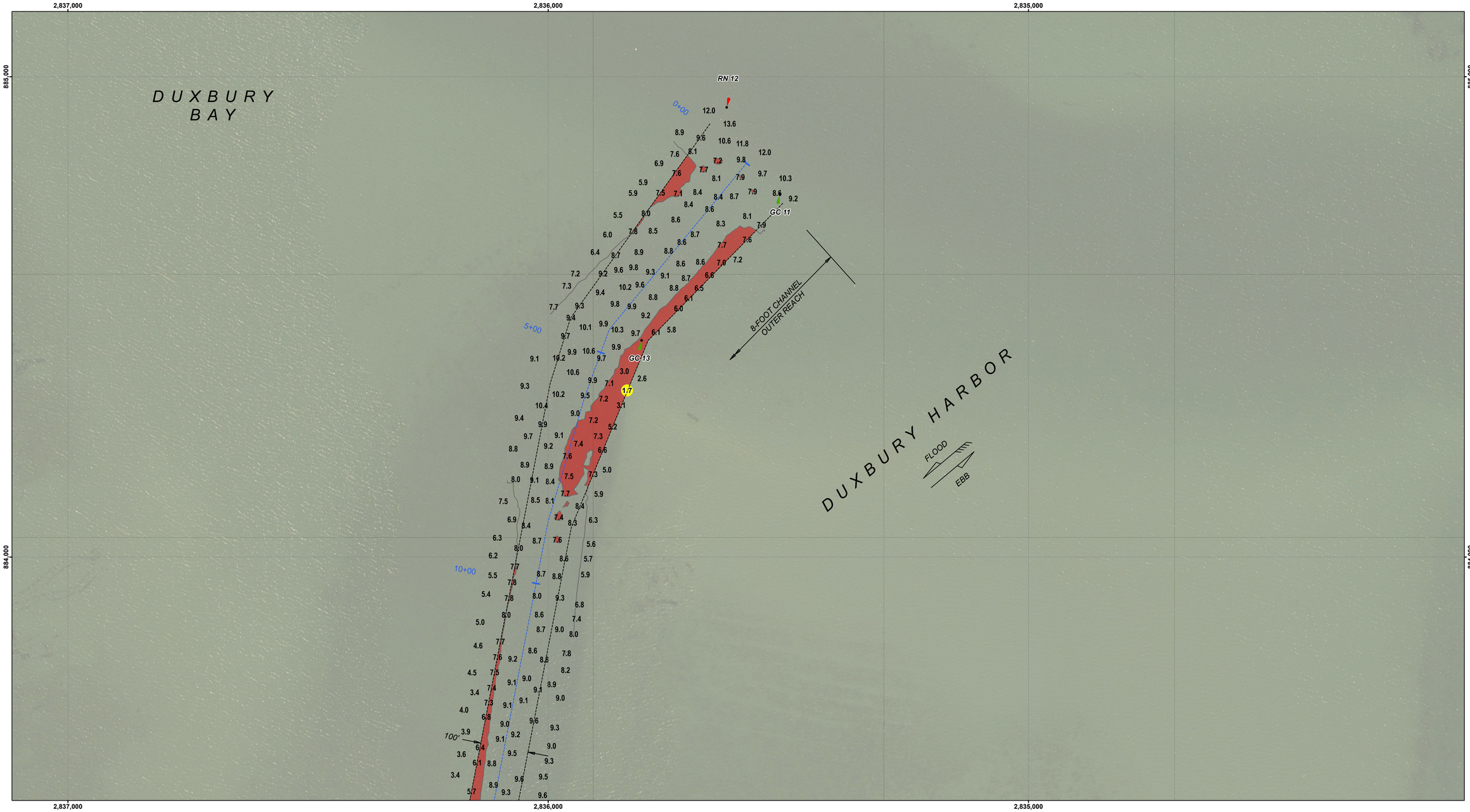
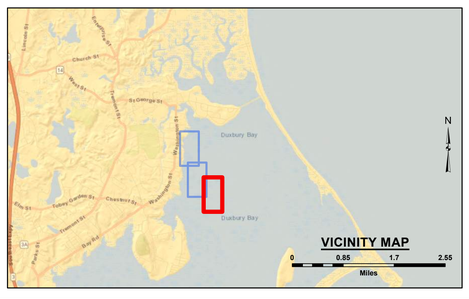




LEGEND

- Federal Navigation Channel
- Channel Center Line
- Marine Infrastructure*
- Cable/Pipeline Area
- 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

100 0 100 200

1" = 100' Feet

N E S W

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_33_DUX_20260902_CS_058
Reference NOAA Chart No.: US5MA1LJ

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Project Remarks

Marine infrastructure surveyed with ship-mounted LIDAR. Scanned marine infrastructure encroaching withing federal navigation project limits.

Water Level Information

Tides were recorded using RTK GPS. NAVD88 to MLLW corrections were logged utilizing NOAA's V-Datum version 4.8 regional model Maine/New Hampshire/Massachusetts version 2.3. The corrections in the project area range from 5.88 feet to 5.92 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).

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: NCD
CHECKED BY: JAB
ISSUE DATE: 9/11/2026
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
MAP DOCUMENT: MA_33_DUX_20260902_CS_058
SIZE: ANSI D

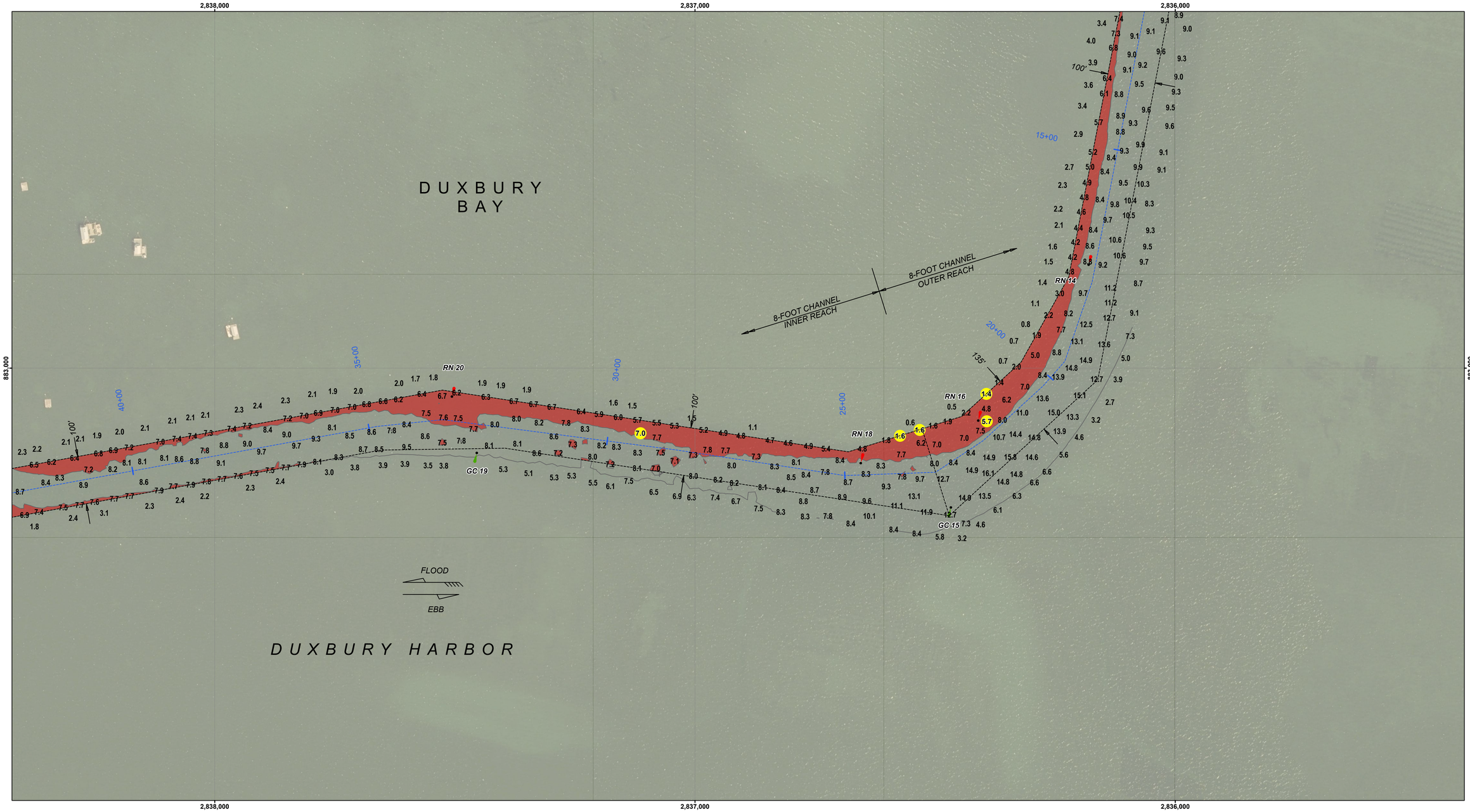
DUXBURY HARBOR
DUXBURY, MASSACHUSETTS
CONDITION SURVEY

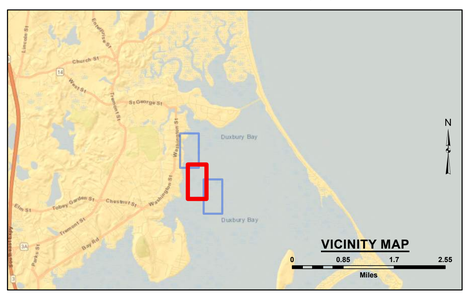
8-FOOT CHANNEL AND ANCHORAGE
File Name: MA_33_DUX_20260902_CS_058

SHEET IDENTIFICATION
Duxbury Harbor

Sheet 1 of 3

Revison Number: 5.26.04.06-5.26.04.06





LEGEND

- Federal Navigation Channel
- Channel Center Line
- Marine Infrastructure*
- Cable/Pipeline Area
- 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
100 0 100 200
1" = 100' Feet

E N S W

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)
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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: NCD
CHECKED BY: JAB
ISSUE DATE: 9/11/2026
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
MAP DOCUMENT: MA_33_DUX_20260902_CS_058
SIZE: ANSI D

DUXBURY HARBOR
DUXBURY, MASSACHUSETTS
CONDITION SURVEY

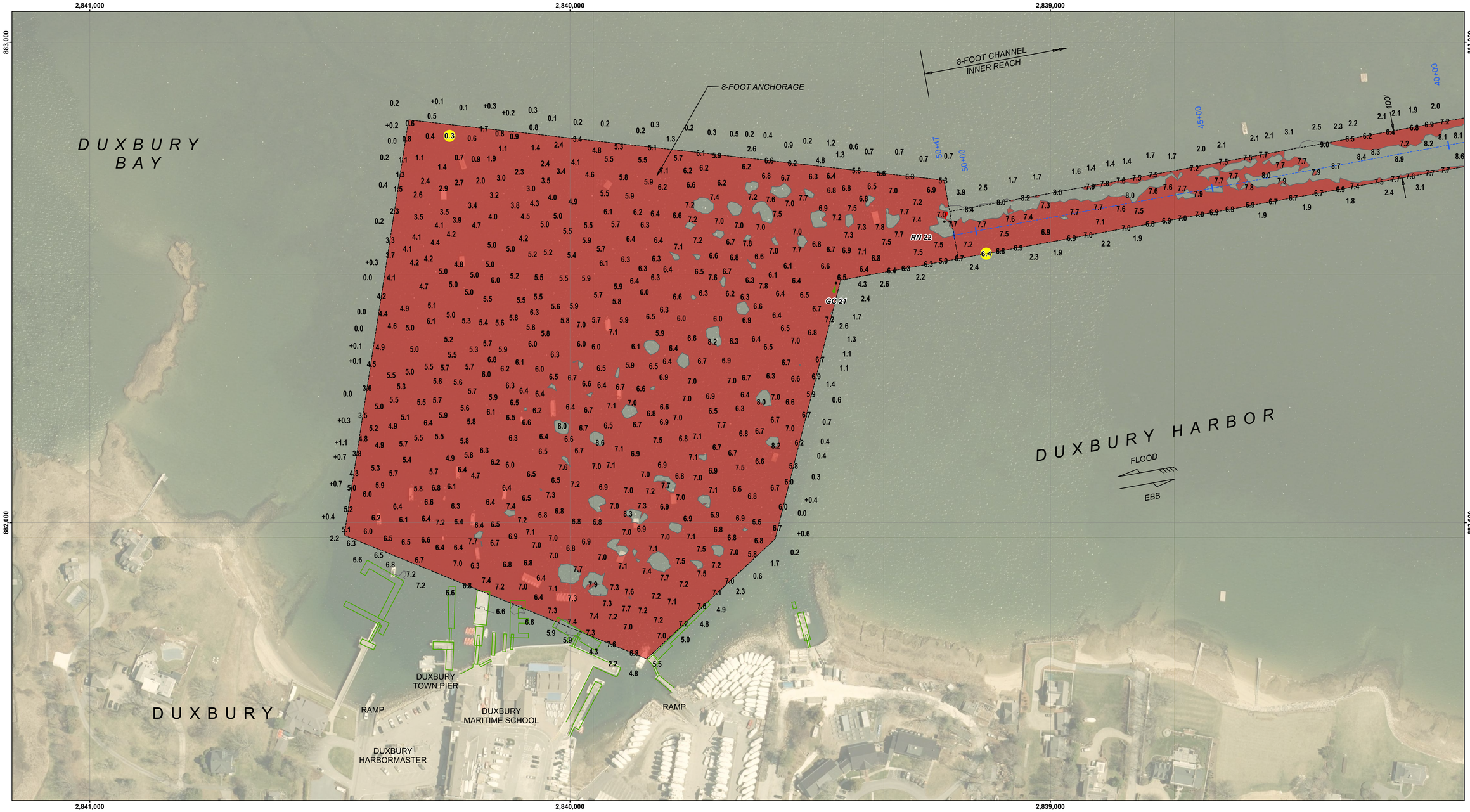
8-FOOT CHANNEL AND ANCHORAGE

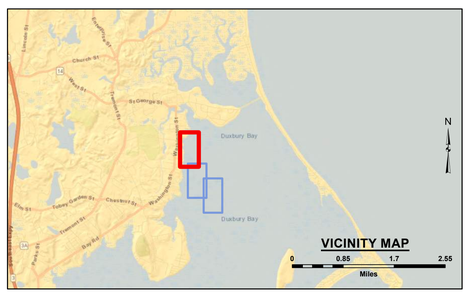
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SHEET IDENTIFICATION
Duxbury Harbor

Sheet 2 of 3

Revison Number: 5.26.04.06-5.26.04.06





LEGEND

- Federal Navigation Channel
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GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

N E S W

Notes:

Horizontal Datum: Mass Mainland, MA-2001 NAD 83
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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

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MAP DOCUMENT: MA_33_DUX_20260902_CS_058
SIZE: ANSI D

DUXBURY HARBOR
DUXBURY, MASSACHUSETTS
CONDITION SURVEY

8-FOOT CHANNEL AND ANCHORAGE
File Name: **MA_33_DUX_20260902_CS_058**

SHEET IDENTIFICATION
Duxbury Harbor

Sheet 3 of 3

Revison Number: 5.26.04.06-5.26.04.06