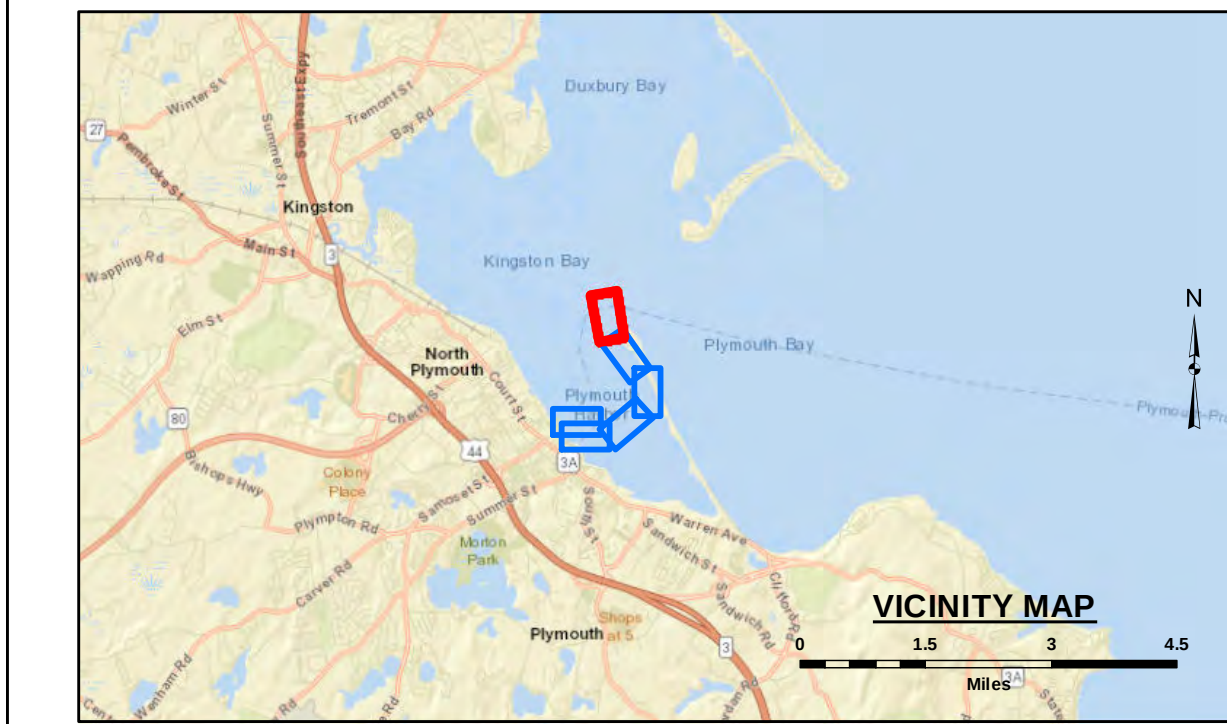
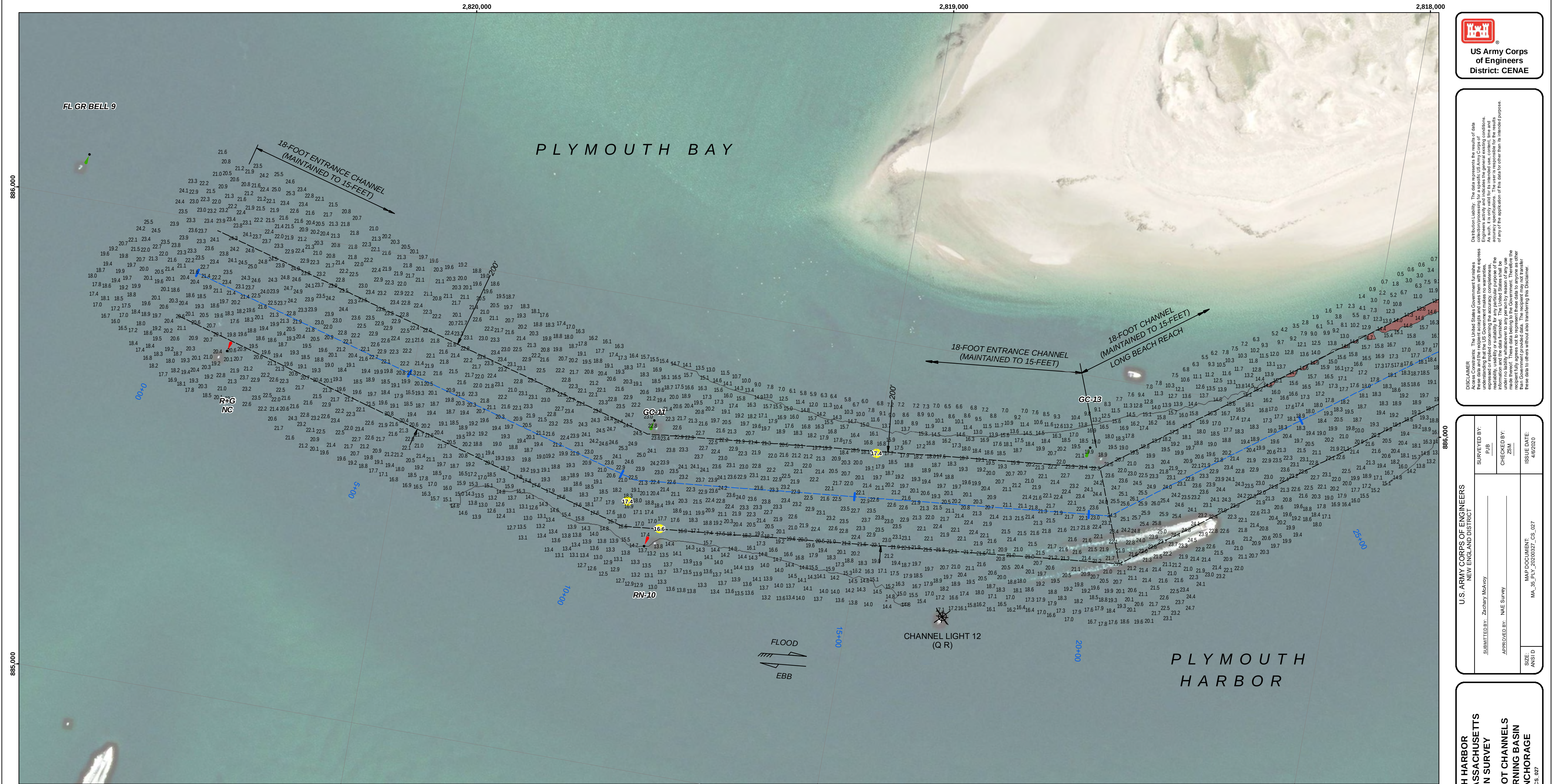




LEGEND

- Federal Navigation Channel
- - - Channel Center Line
- Cable or Pipe Area
- Contour Line
- Marine Infrastructure*
- ✠ Fixed Navigation Aids
- 🚩 Red Navigation Buoy
- 🟢 Green Navigation Buoy
- 🔴 Shoaling Area
- 🟡 Shoalest Sounding**

GRAPHIC SCALE

1" = 100'

0 100 200 Feet

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic 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: KEEGAN
Sonar System: Reson T60 (Multibeam Sonar)
Sounding Frequency: 400 kHz
Survey Method: RTK GPS Tides
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: Station BM 10 (1954)
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4569
Survey No.: MA_35_PLY_20200327_CS_027
Reference NOAA Chart No.: 13253

General Notes
The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during March 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. Orthometry 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
None.

Water Level Information
Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 5.76 feet to 5.78 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 Plymouth Harbor, Plymouth, 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.

**PLYMOUTH HARBOR
PLYMOUTH, MASSACHUSETTS
CONDITION SURVEY
15 AND 18-FOOT CHANNELS
15-FOOT TURNING BASIN
8-FOOT ANCHORAGE**

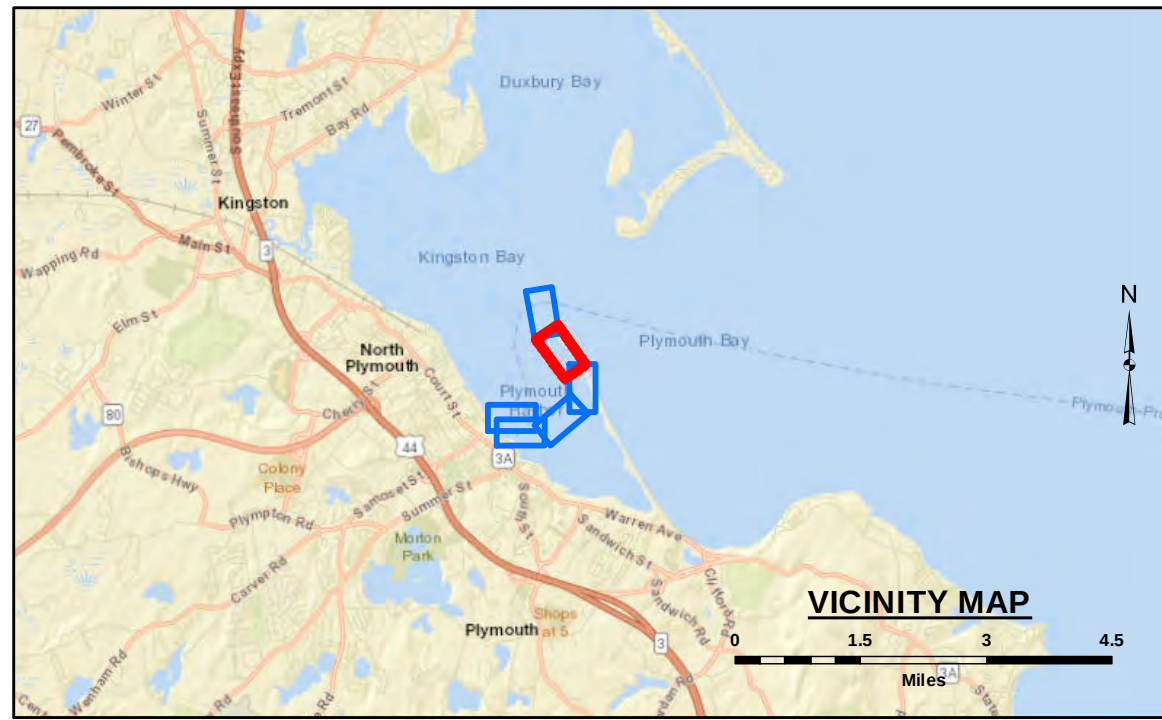
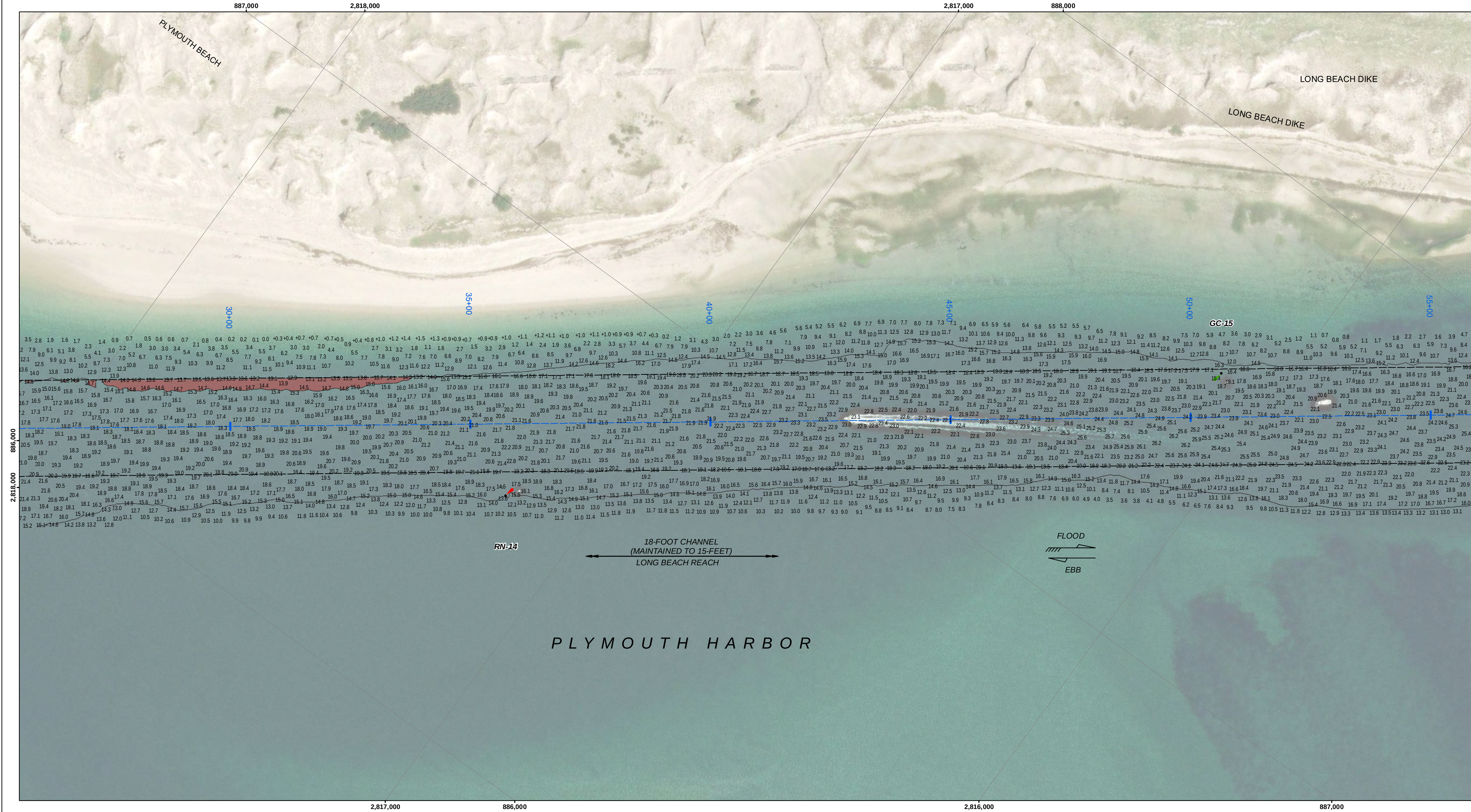
**SHEET
IDENTIFICATION
Plymouth Harbor**

Sheet 1 of 6

**US Army Corps
of Engineers**
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT	SUBMITTED BY: Zachary McWay	CHECKED BY: ZSM	ISSUE DATE: 4/6/2020
	APPROVED BY: NAE Survey	MAP DOCUMENT MA_35_PLY_20200327_CS_027	SIZE A1S1D



LEGEND

Federal Navigation Channel

Channel Center Line

.....

Cable or Pipe Area

Contour Line

Marine Infrastructure*

✠

Fixed Navigation Aids

📍

Red Navigation Buoy

📍

Green Navigation Buoy

■

Shoaling Area

●

Shoalest Sounding**

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

GRAPHIC SCALE

100

0

100

200

1" = 100' 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: KEEGAN
Sonar System: Reson T60 (Multibeam Sonar)
Sounding Frequency: 400 kHz
Survey Method: RTK GPS Tides
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: Station BM 10 (1954)
Software Used: Hypack
Sounding Sort Distance: 20'
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Survey No.: MA_35_PLY_20200327_CS_027
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Water Level Information
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Project Remarks
None.



**US Army Corps
of Engineers**
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		SUBMITTED BY: Zachary McWay		CHECKED BY: ZSM		ISSUE DATE: 4/6/2020	
APPROVED BY: NAE Survey		MAP DOCUMENT: MA_35_PLY_20200327_CS_027		SIZE: A1S1D			

**PLYMOUTH HARBOR
PLYMOUTH, MASSACHUSETTS
CONDITION SURVEY**

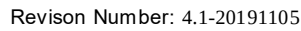
**15 AND 18-FOOT CHANNELS
15-FOOT TURNING BASIN
8-FOOT ANCHORAGE**

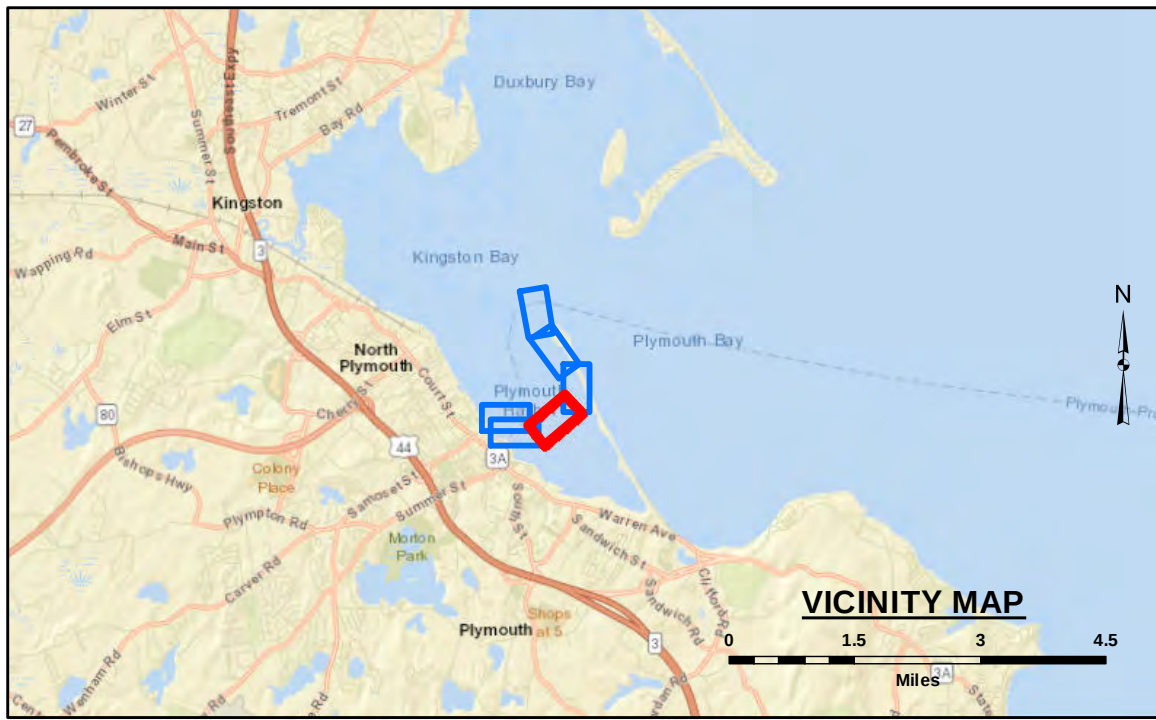
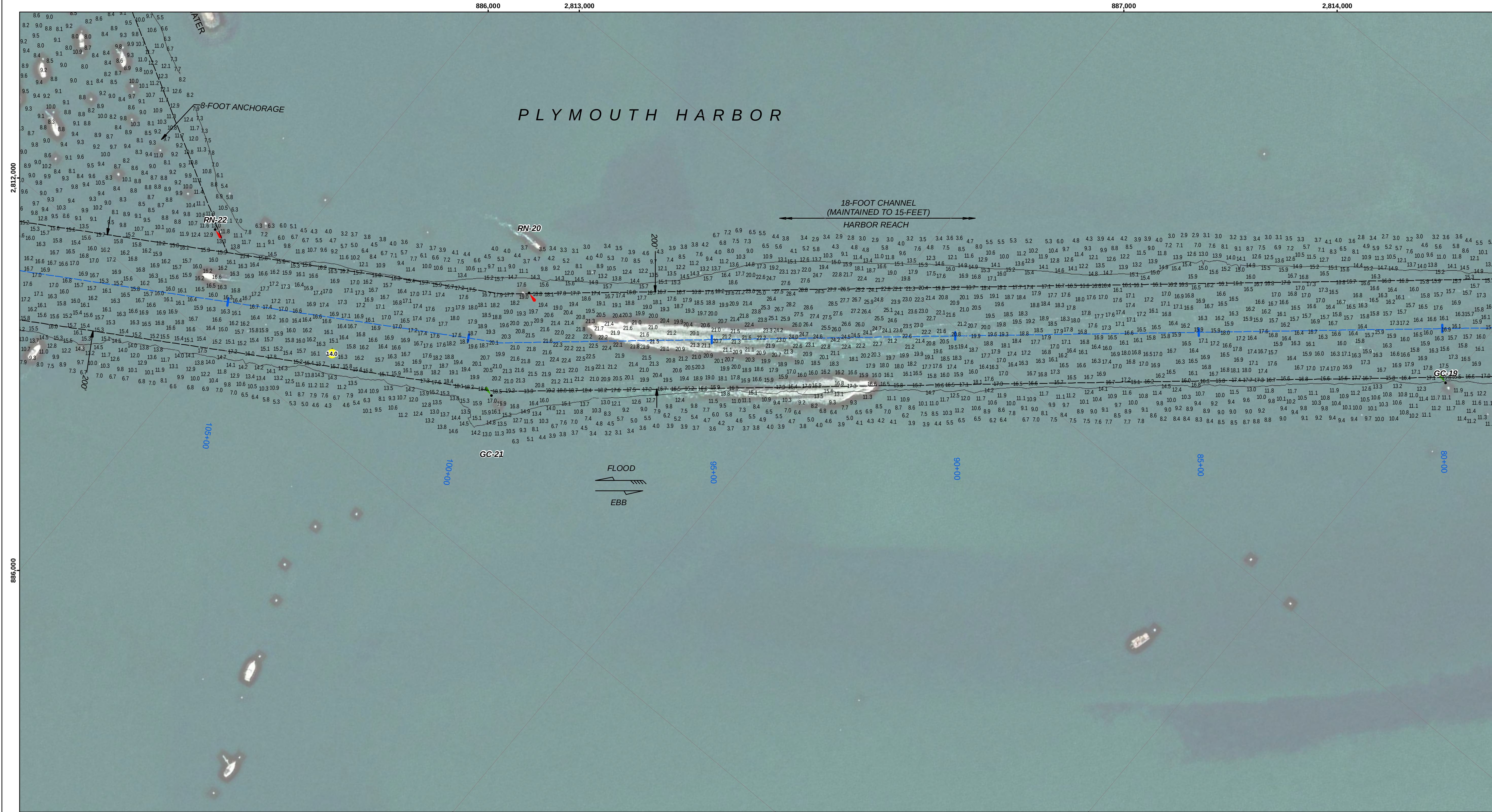
File Name: MA_35_PLY_20200327_CS_027

**SHEET
IDENTIFICATION**
Plymouth Harbor

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Revision Number: 4.1-20191105





LEGEND

- Federal Navigation Channel
- - - Channel Center Line
- Cable or Pipe Area
- Contour Line
- Marine Infrastructure*
- ✠ Fixed Navigation Aids
- 🔴 Red Navigation Buoy
- 🟢 Green Navigation Buoy
- 🔴 Shoaling Area
- 🟡 Shoalest Sounding**

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

GRAPHIC SCALE

1" = 100'

0 100 200 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: KEEGAN
Sonar System: Reson T60 (Multibeam Sonar)
Sounding Frequency: 400 kHz
Survey Method: RTK GPS Tides
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: Station BM 10 (1954)
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4569
Survey No.: MA_35_PLY_20200327_CS_027
Reference NOAA Chart No.: 13253

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General Notes
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Project Remarks
None.

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: PJH	CHECKED BY: ZSM	ISSUE DATE: 4/6/2020
	APPROVED BY: NAE Survey		
	MAP DOCUMENT: MA_35_PLY_20200327_CS_027		

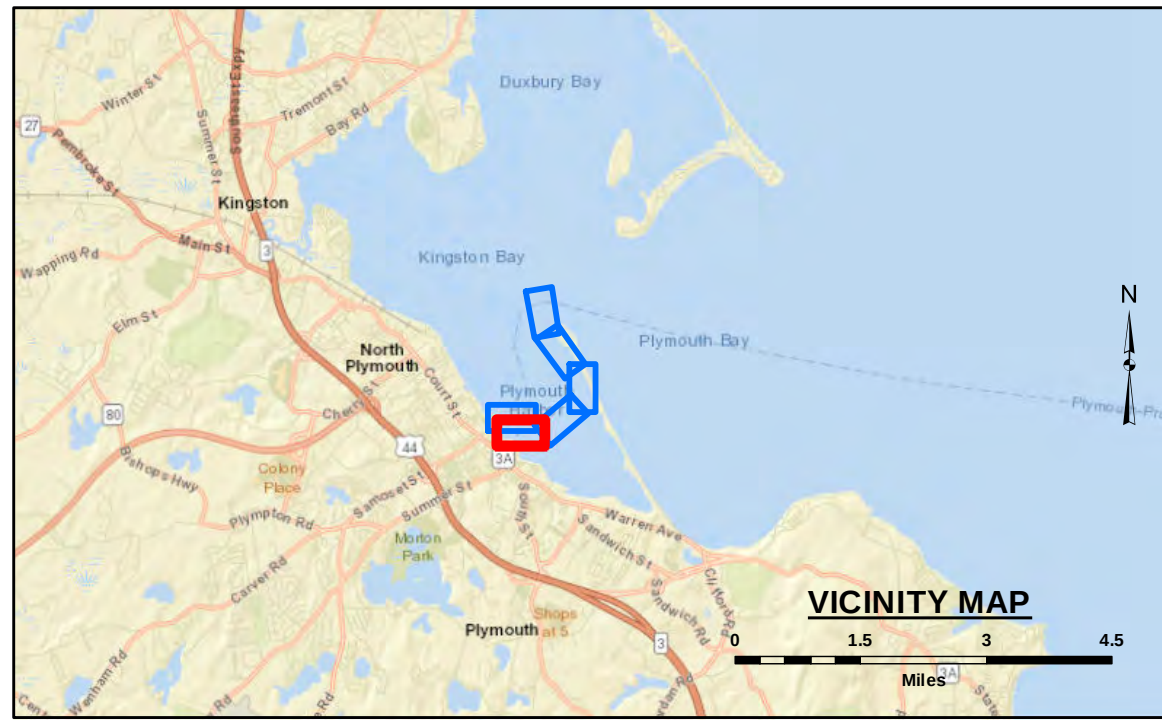
PLYMOUTH HARBOR
PLYMOUTH, MASSACHUSETTS
CONDITION SURVEY

15 AND 18-FOOT CHANNELS
15-FOOT TURNING BASIN
8-FOOT ANCHORAGE

File Name: MA_35_PLY_20200327_CS_027

SHEET IDENTIFICATION
Plymouth Harbor

Sheet 4 of 6



LEGEND

Federal Navigation Channel

Channel Center Line

Cable or Pipe Area

Contour Line

Marine Infrastructure*

✠

Fixed Navigation Aids

●

Red Navigation Buoy

●

Green Navigation Buoy

■

Shoaling Area

●

Shoalest Sounding**

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

GRAPHIC SCALE

1" = 100'

100

0

100

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: 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: Station BM 10 (1954)
Software Used: Hypack
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Project Remarks
None.

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT	SUBMITTED BY: Zachary McVay	CHECKED BY: ZSM	ISSUE DATE: 4/6/2020
	APPROVED BY: NAE Survey		
	MAP DOCUMENT: MA_35_PLY_20200327_CS_027		

PLYMOUTH HARBOR
PLYMOUTH, MASSACHUSETTS
CONDITION SURVEY
15 AND 18-FOOT CHANNELS
15-FOOT TURNING BASIN
8-FOOT ANCHORAGE

SHEET
IDENTIFICATION
Plymouth Harbor
Sheet 5 of 6

Revision Number: 4.1-20191105

