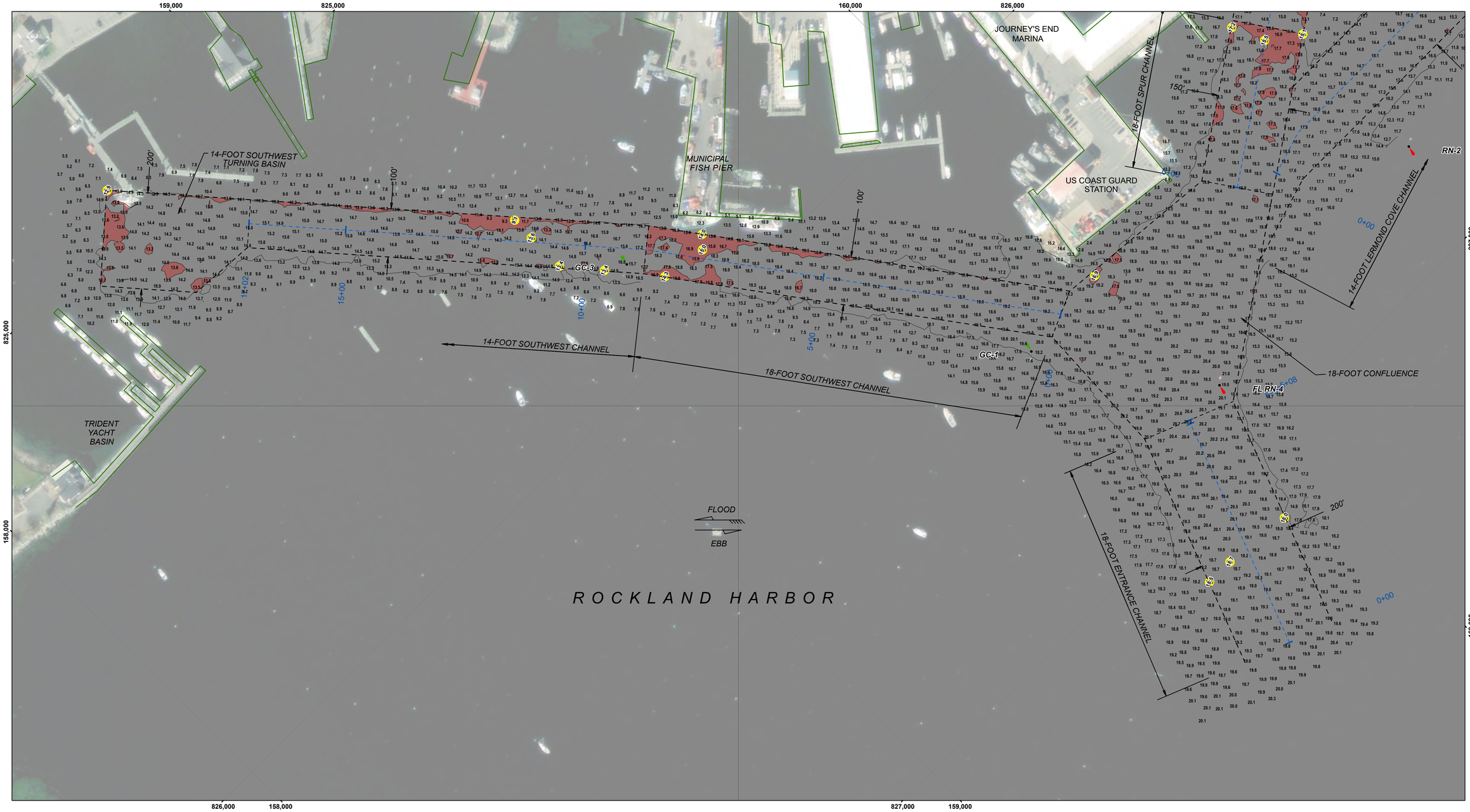
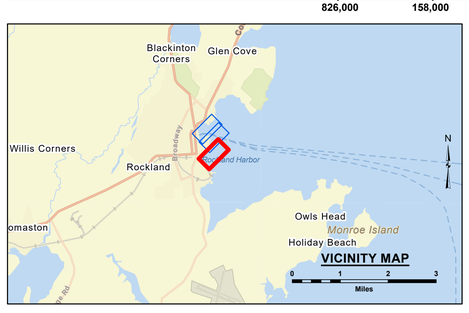




LEGEND

- Federal Navigation Channel
- Channel Center Line
- Marine Infrastructure*
- Cable Submarine
- 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

Notes:

Horizontal Datum: Maine East, ME-1801 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: USCG23 (2023)
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4982
Survey No.: ME_36_ROC_20231024_CS_047
Reference NOAA Chart No.: 13307

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Project Remarks

Marine infrastructure surveyed with Lidar.

Water Level Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project were obtained using NOAAs V-Datum Program. The V-Datum corrections range 5.72 feet to 5.73 feet, and are referenced from V-Datum Model Version 4.5, ME/NH/MA region Version 2.3. NAVD88 is above MLLW. Therefore, the correction should be added to NAVD88 to convert to MLLW. Mean Range of Tide is 9.78 feet. No tide gauges were used on this project.

US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: MJV
CHECKED BY: WHW
ISSUE DATE: 11/8/2023
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
MAP DOCUMENT: ME_36_ROC_20231024_CS_047
SIZE: ANSI D

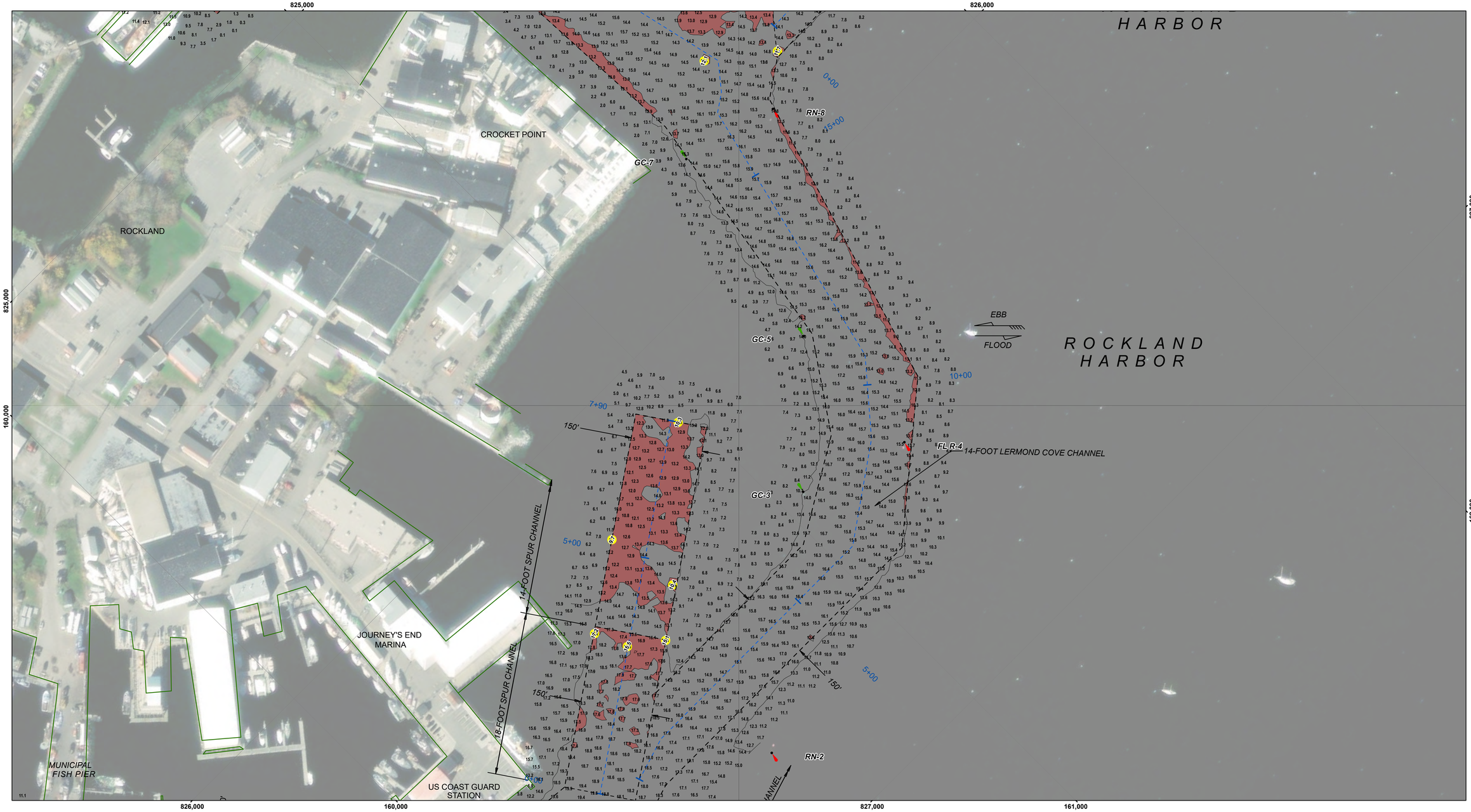
ROCKLAND HARBOR
ROCKLAND, MAINE
CONDITION SURVEY
18 AND 14-FOOT CHANNELS, 14-FOOT TURNING BASINS

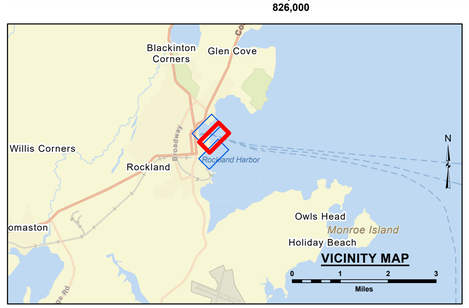
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SHEET IDENTIFICATION
Rockland Harbor

Sheet 1 of 3

Revison Number: 5.23.8.1-5.23.8.1





LEGEND

- Federal Navigation Channel
- Channel Center Line
- Marine Infrastructure*
- Cable Submarine
- 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

Notes:

Horizontal Datum: Maine East, ME-1801 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: USCG23 (2023)
Software Used: Hypack
Sounding Sort Distance: 20'
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Survey No.: ME_36_ROC_20231024_CS_047
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SURVEYED BY: MJV
CHECKED BY: WHW
ISSUE DATE: 11/8/2023

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

MAP DOCUMENT: ME_36_ROC_20231024_CS_047
SIZE: ANSI D

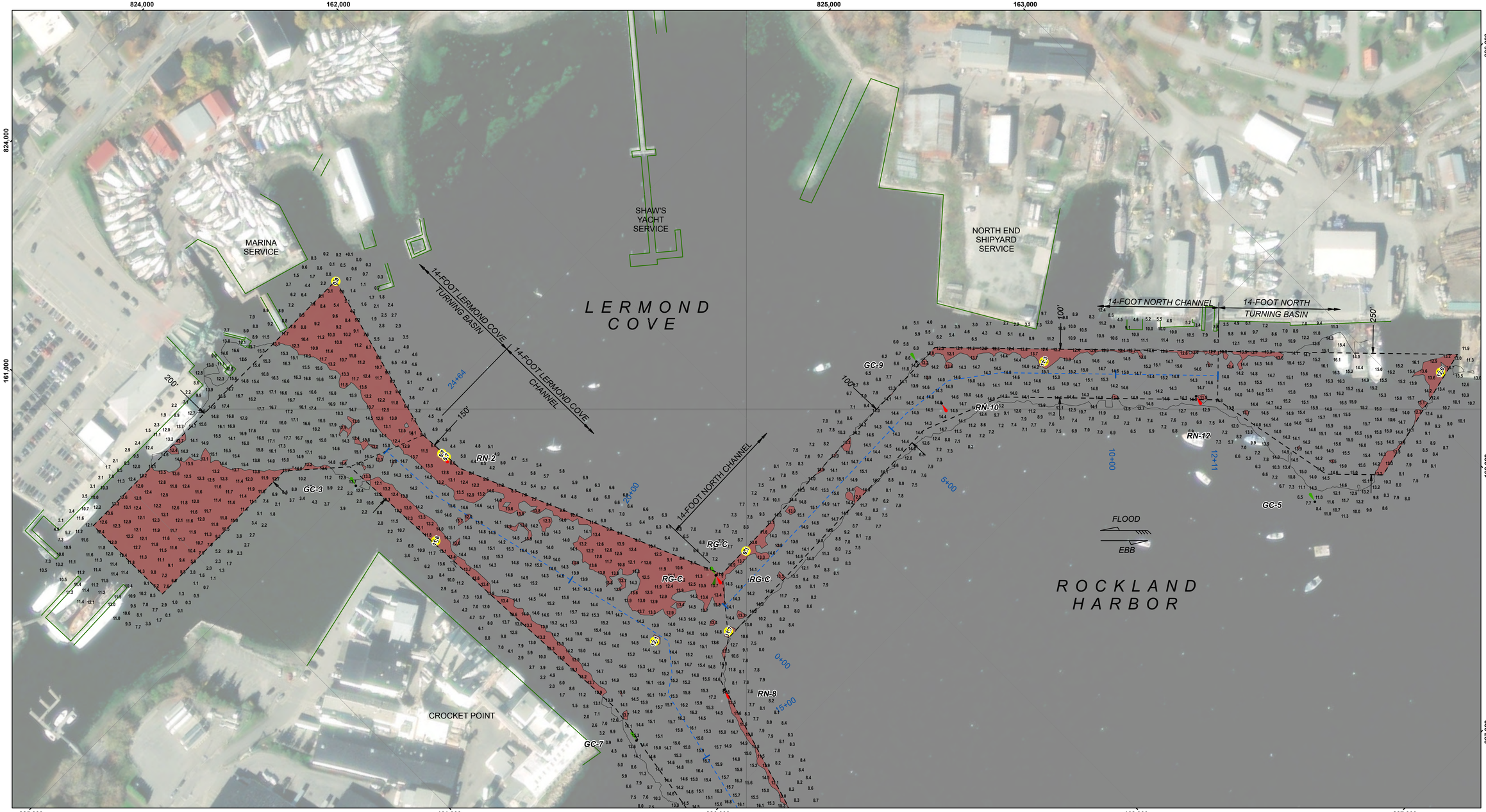
ROCKLAND HARBOR
ROCKLAND, MAINE
CONDITION SURVEY
18 AND 14-FOOT CHANNELS, 14-FOOT TURNING BASINS

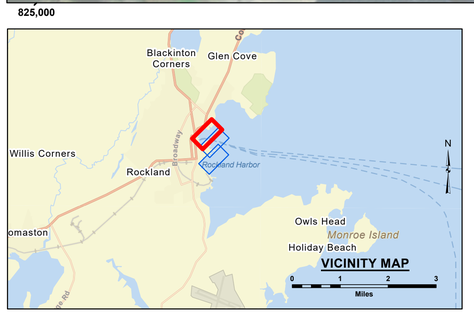
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SHEET IDENTIFICATION
Rockland Harbor

Sheet 2 of 3

Revison Number: 5.23.8.1-5.23.8.1





LEGEND

- Federal Navigation Channel
- Channel Center Line
- Marine Infrastructure*
- Cable Submarine
- 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 W E S

Notes:
Horizontal Datum: Maine East, ME-1801 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
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US Army Corps of Engineers
District: CENAE

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NEW ENGLAND DISTRICT

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SIZE: ANSI D
MAP DOCUMENT: ME_36_ROC_20231024_CS_047

ROCKLAND HARBOR
ROCKLAND, MAINE
CONDITION SURVEY
18 AND 14-FOOT CHANNELS, 14-FOOT TURNING BASINS

File Name: ME_36_ROC_20231024_CS_047

SHEET IDENTIFICATION
Rockland Harbor

Sheet 3 of 3

Revison Number: 5.23.8.1-5.23.8.1