

LE

- Federal Navigation Channel  Fixed Navigation Aid
 - Channel Center Line  Red Navigation Buoy
 - Cable or Pipeline Area  Green Navigation Buoy
 - Contour Line  Shoaling Area
 -  Obstruction Point  Shoalest Soundings

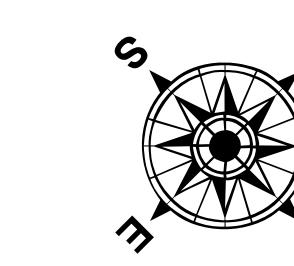
** Shoalest Sounding per Quarter p

GRAPHIC SCALE

200 0 200 400

1" = 200'

A graphic scale bar consisting of a horizontal line with tick marks. The text "1\" data-bbox="106 879 180 938" data-label="Text">= 200'" is positioned to the left of the scale. Above the scale, numerical values 200, 0, 200, and 400 are placed at regular intervals along the line. The scale is marked with black and white segments.



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: KEEGAN
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 200 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet lmax
Software Used: Hypack
Sounding Sort Distance: 40'
Field Books: R&H 4001 & E-log
Survey No.: ME_26_20210923_CS_047
Reference NOAA Chart No.: 13309

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.

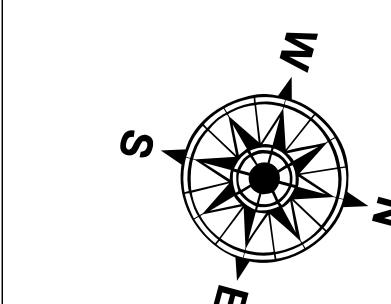
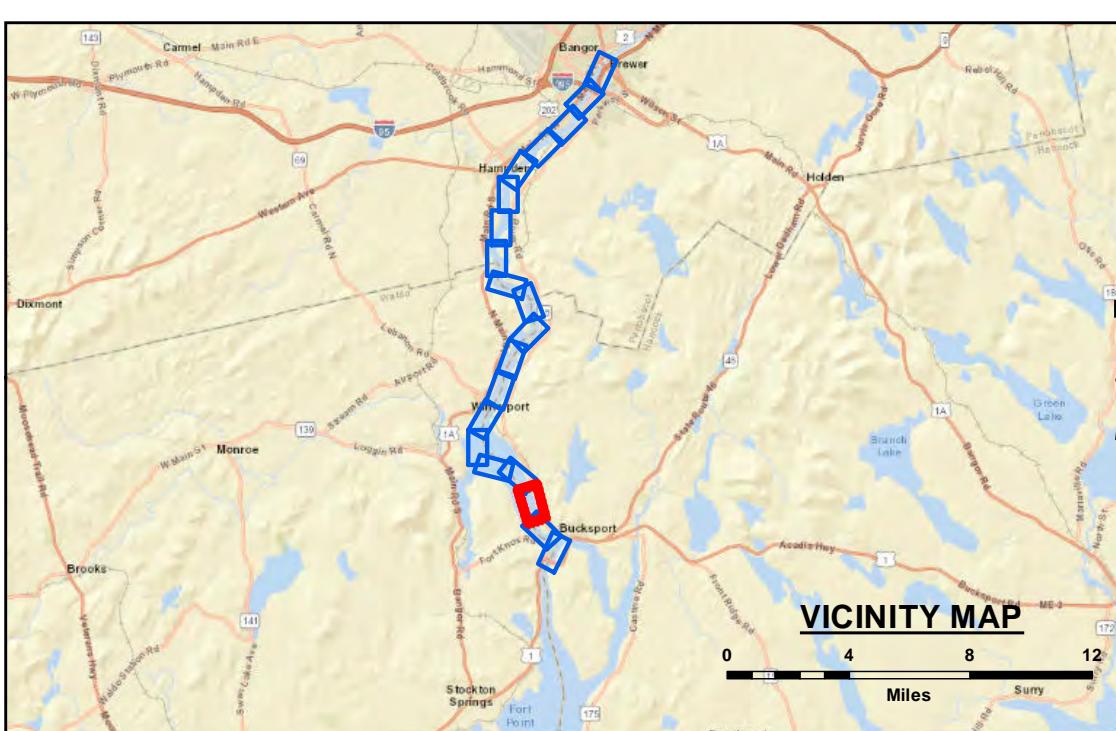
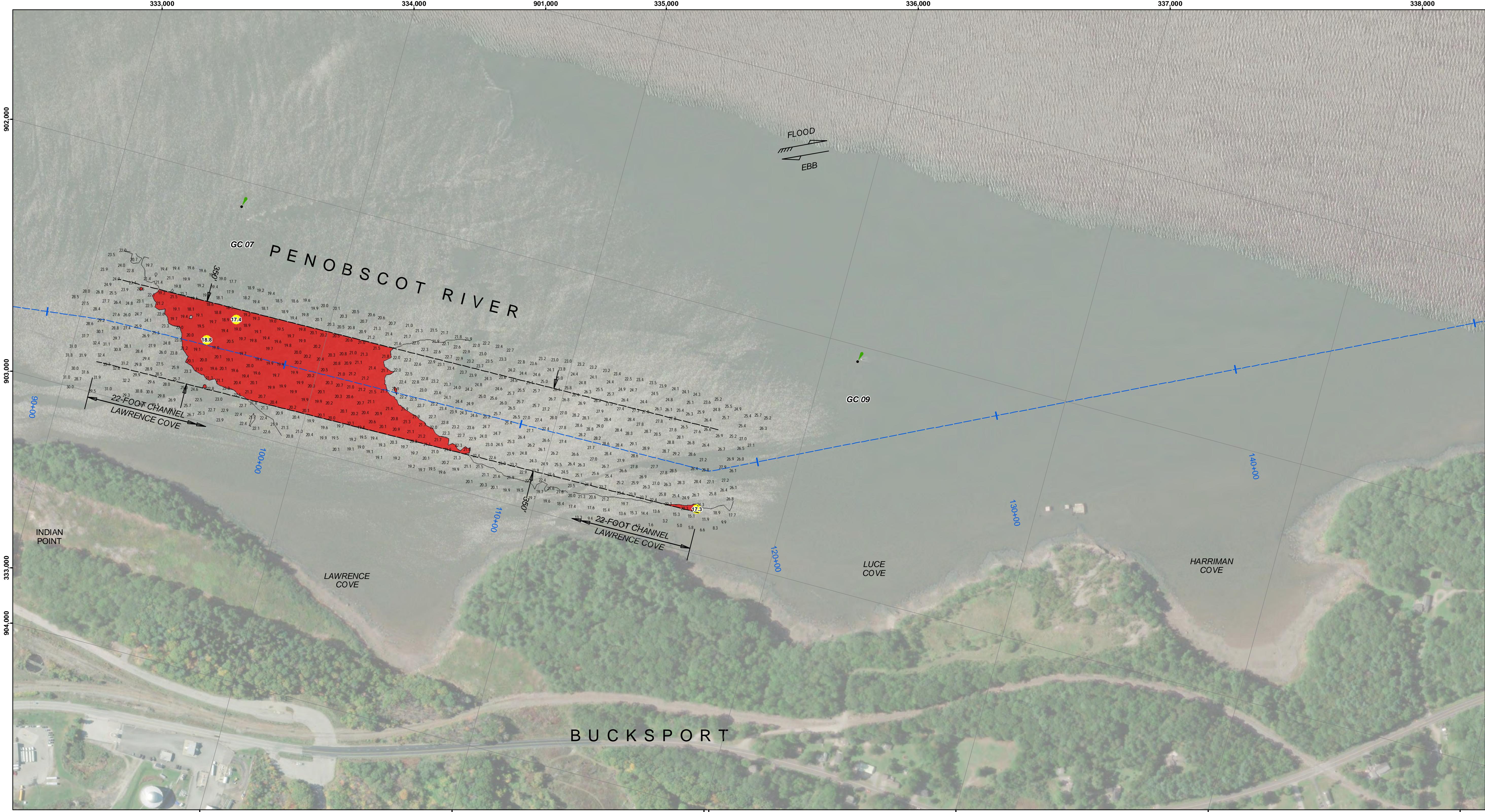
General Notes

Information shown on this map represents the SHORTEST
time obtained from hydrographic surveys conducted during
0. The sounding information depicted on this map represents the
depths made on the dates indicated and can only be considered as
representing conditions existing at that time. The positions of aids to navigation
during survey operations, are provided for information only and
should not be used for navigation. Orthoimagery is from a variety of sources and
is intended to portray general characteristics of the shoreline and other
geographical features. Topographic changes may have occurred since this dataset was collected
and this map may no longer be an accurate representation of the conditions.
Information depicted on this map should NOT be used to determine volumes
or areas determined from more sounding information than shown.

Water Level Information

GPS. The MLLW to NAVD88 corrections for this 6.30 feet. These corrections are referenced from Section 4.1, ME/NH/MA region Version 2.3, in the Rockport & Winterport, Maine. NAVD88 is above sea level. This value should be added to NAVD88 to convert to MLLW. This project.

**SHEET
IDENTIFICATION**



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: KEEGAN
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 200 kHz
Survey Method: RTK GPS Tides
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 40'
Field Books: R&H 4001 & E-log
Survey No.: ME_26_20210923_CS_047
Reference NOAA Chart No.: 13309

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.

Project Remarks
Federal navigation project not surveyed in its entirety.

Water Level Information
Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 6.28 feet to 6.30 feet. These corrections are referenced from NOAA's V-Datum Model Version 4.1, ME/NH/MA region Version 2.3, in the vicinity of Penobscot River, Bucksport & Winterport, Maine. 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 Label: The data represents the results of data collected for a specific US Army Corps of Engineers active and indicates the general existing conditions. This data is provided as a service to the public. The user is responsible for the proper use of the data and assumes all risk of any use. The United States shall not be liable for any damages resulting from use of the data. The data is provided "as is" and no guarantee is made as to its accuracy or completeness. The data is provided for use by the Government and its contractors and employees only and may not be transferred to any other party without the express written consent of the Government. The recipient may not transfer these data to others without also transferring this Disclaimer.

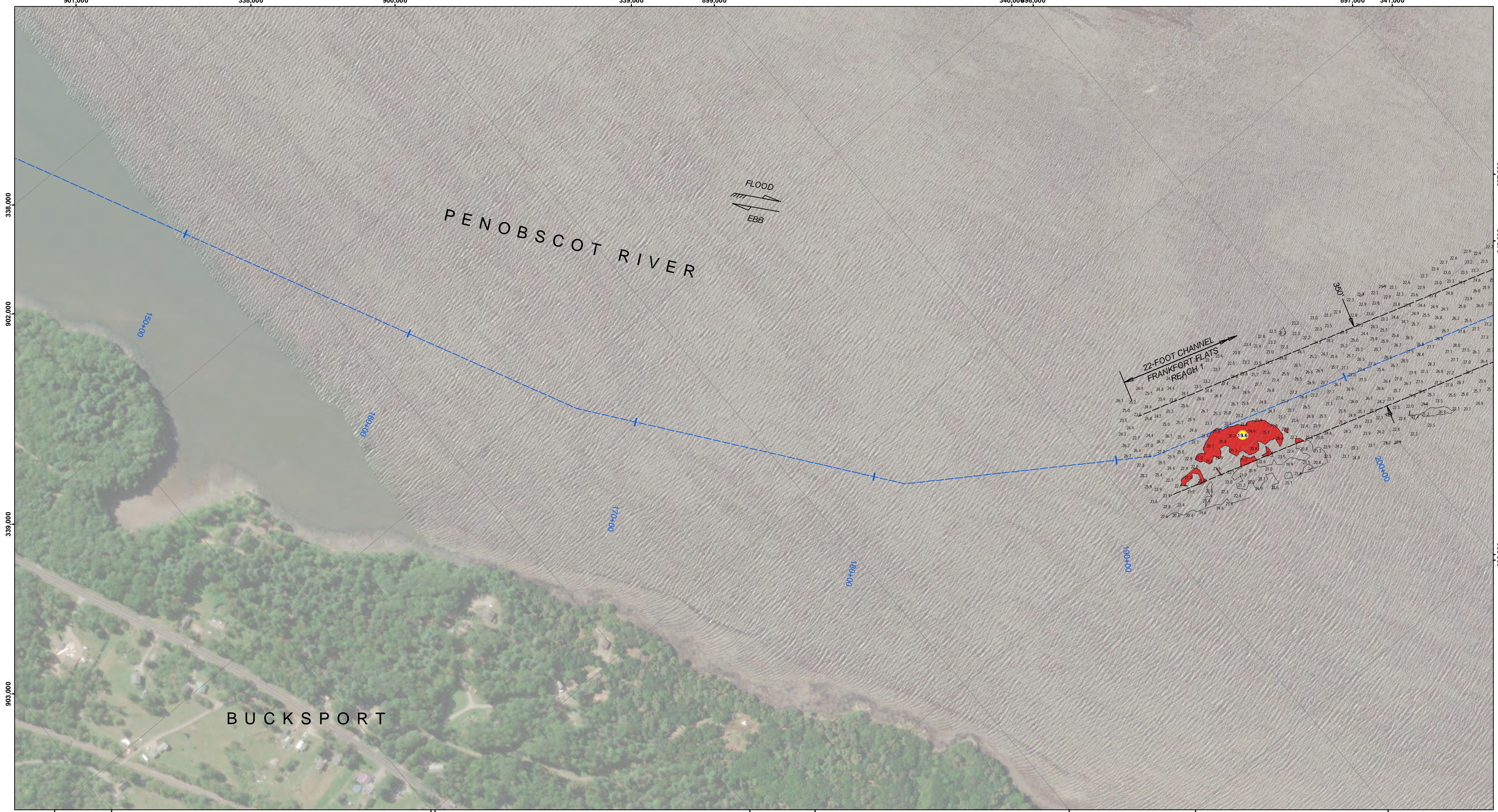
U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT	
SUBMITTED BY:	NCD
CHECKED BY:	ZSM
APPROVED BY:	NAC Survey
MAP DOCUMENT:	ME_26_PEN_20210923_CS_047
SIZE:	A1B
ISSUE DATE:	10/22/2021

**PENOBSCOT RIVER
BUCKSPORT TO BANGOR, MAINE
CONDITION SURVEY
14 AND 22-FOOT CHANNELS
14-FOOT ANCHORAGES**

File Name: ME_26_PEN_20210923_CS_047

**Sheet Identification
Penobscot River**

Sheet 3 of 20



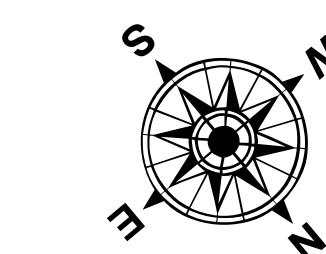
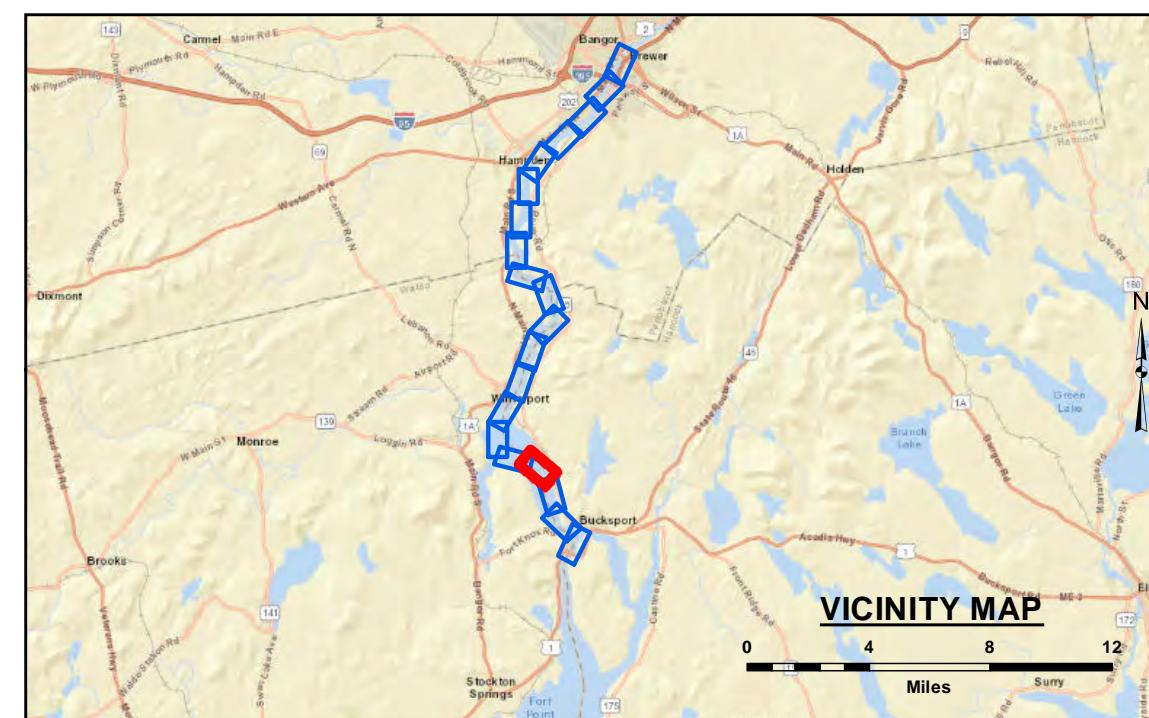
Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for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

S.C. ANNUAL SURVEY ENVELOPES
NEW ENGLAND DISTRICT

**PENOBSCOT RIVER
UCKSPORT TO BANGOR, MAINE
CONDITION SURVEY**

**14 AND 22-FOOT CHANNELS
14-FOOT ANCHORAGES**

**SHEET
IDENTIFICATION
Penobscot River**



LEG

- Federal Navigation Channel  Fixed Navigation Aid
 - Channel Center Line  Red Navigation Buoy
 - Cable or Pipeline Area  Green Navigation Buoy
 - Contour Line  Shoaling Area
 -  Obstruction Point  Shoalest Soundings

** Shoalest Sounding per Quart

GRAPHIC SCALE

200 0 200 400

1" = 200'

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: KEEGAN
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 200 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 40'
Field Books: R&H 4001 & E-log
Survey No.: ME_26_20210923_CS_047
Reference NOAA Chart No.: 13309

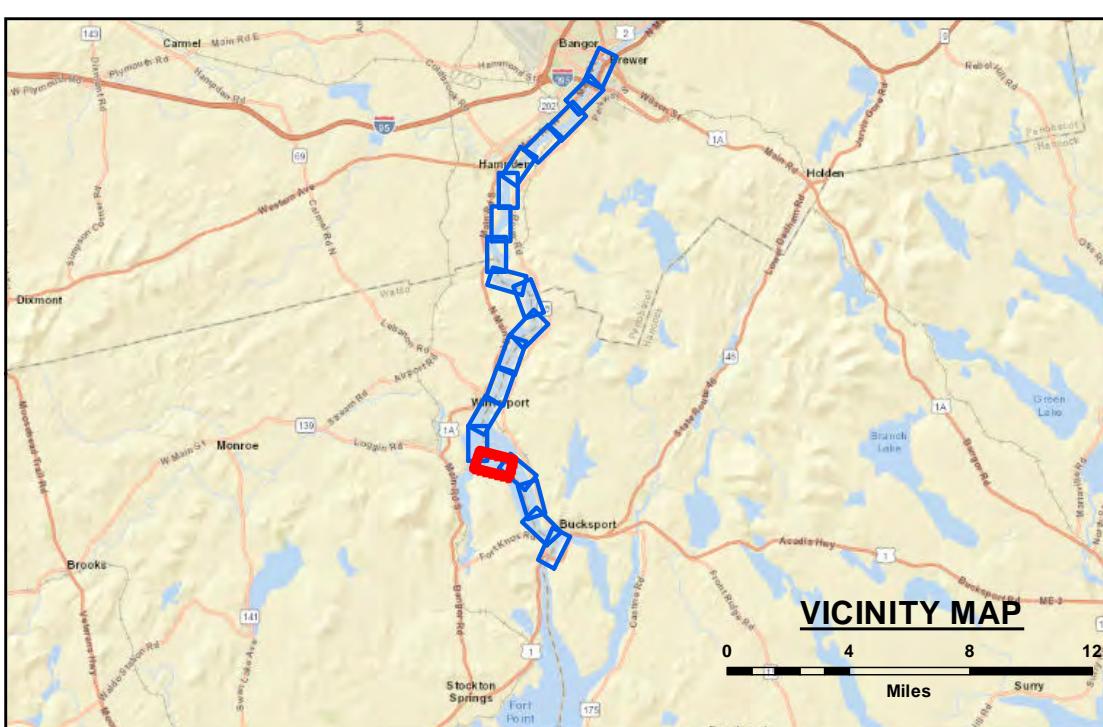
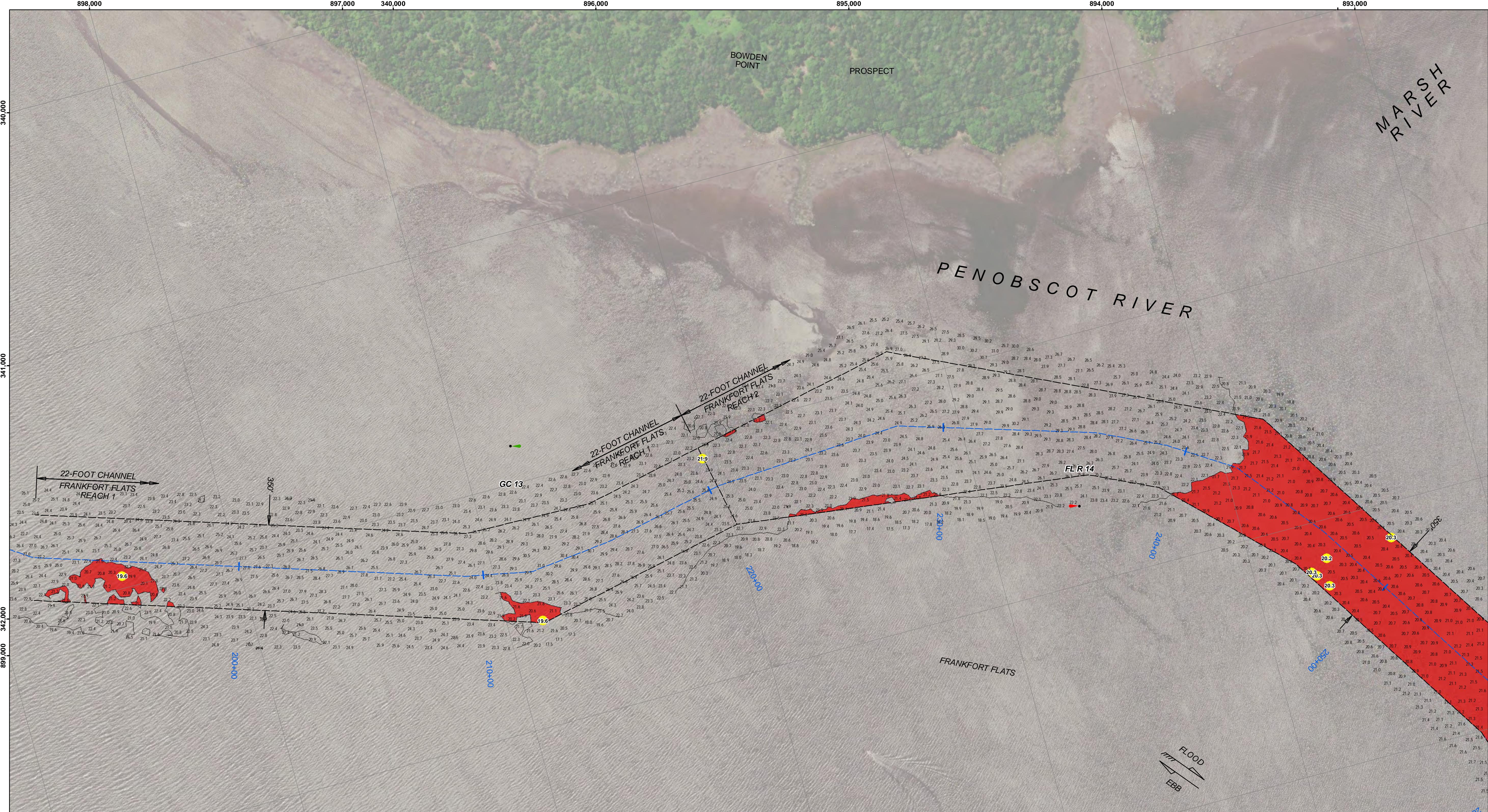
The information depicted on these charts represents the results of surveys made on the dates indicated, and can only be considered as indicating the conditions existing at that time.

General Notes
The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during September 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 as volumes are determined from more sounding information than shown.

Water Level Information

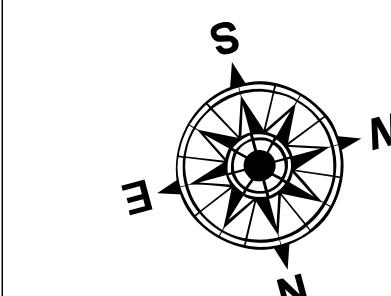
Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 6.28 feet to 6.30 feet. These corrections are referenced from NOAA's V-Datum Model Version 4.1, ME/NH/MA region Version 2.3, in the vicinity of Penobscot River, Bucksport & Winterport, Maine. NAVD88 is above MLLW; therefore the correction should be added to NAVD88 to convert to MLLW. No tide gauges were used on this project.

Project Remarks

**LEGEND**

- Federal Navigation Channel
- - - Channel Center Line
- Cable or 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



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: KEEGAN
 Sonar System: Reson T50 (Multibeam Sonar)
 Sounding Frequency: 200 kHz
 Survey Method: RTK GPS Tides
 GPS System: Trimble SPS 855 (RTK)
 RTK Base Station: MTS Smartnet Imax
 Software Used: Hypack
 Sounding Sort Distance: 40'

Project Remarks

Federal navigation project not surveyed in its entirety.

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Distribution Lable: The data represents the results of data collection processing for a specific US Army Corps of Engineers active and indicates the general existing conditions. It is not intended for surveying, engineering analysis, or scientific applications. This user is responsible for the results of any use of this data for other than its intended purpose.

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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT	
SUBMITTED BY:	NCD
CHECKED BY:	ZSM
ISSUE DATE:	10/22/2021
MAP DOCUMENT:	ME_26_PEN_20210923_CS_047
SIZE:	ANSI D

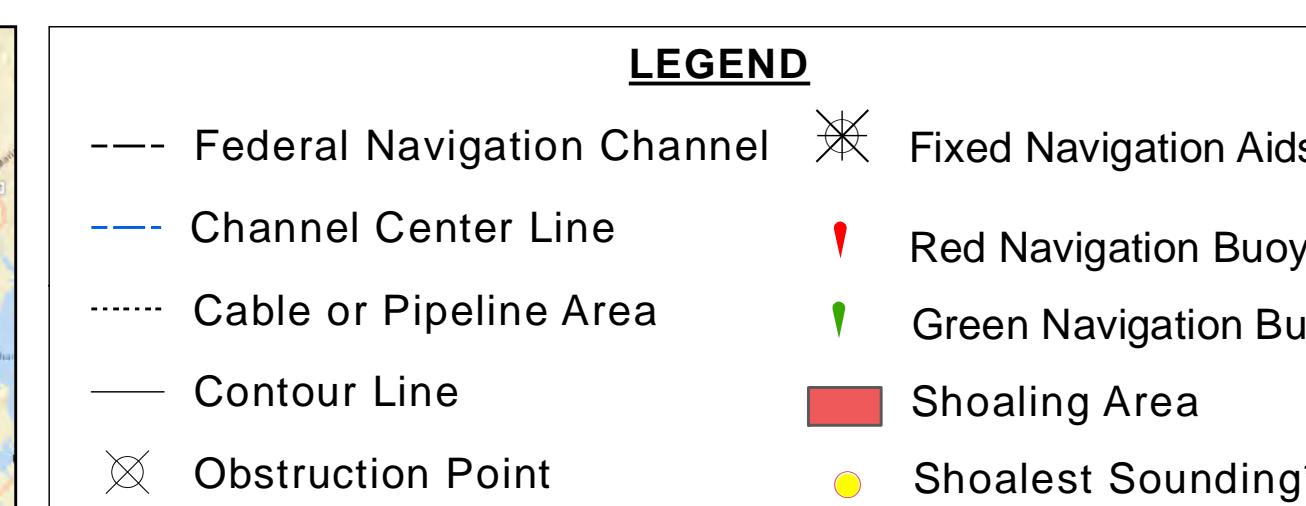
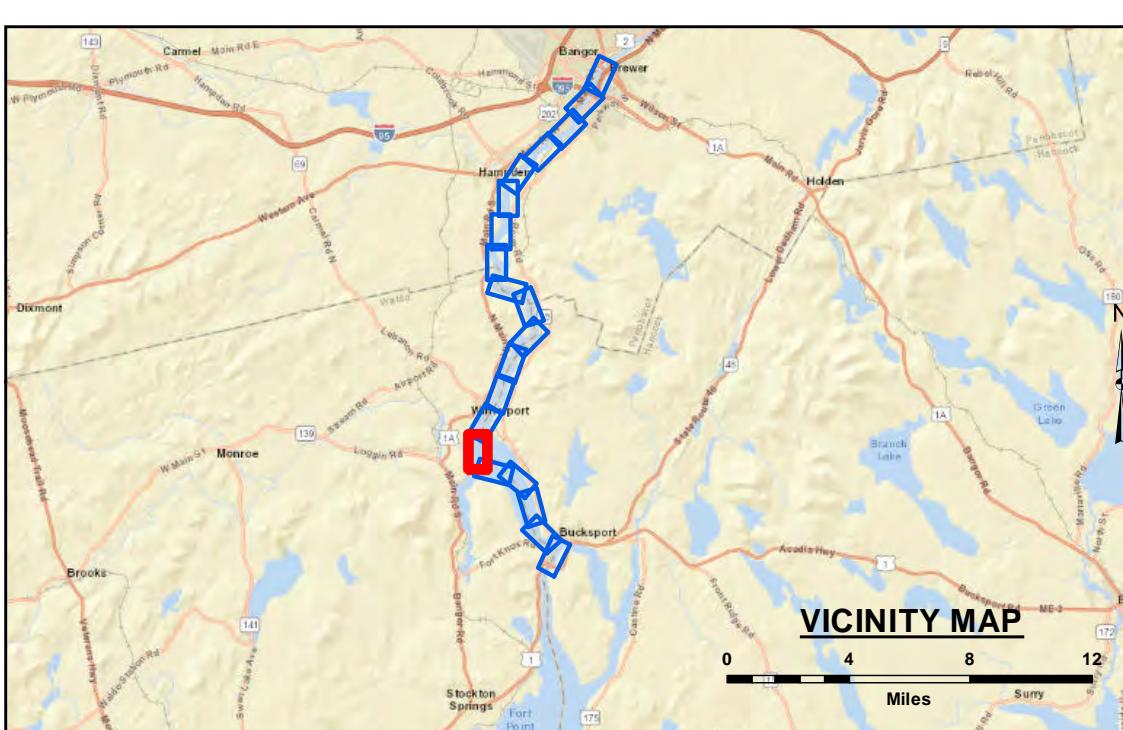
PENOBSCOT RIVER CONDITION SURVEY
BUCKSPORT TO BANGOR, MAINE
14 AND 22-FOOT CHANNELS
14-FOOT ANCHORAGES

File Name: ME_26_PEN_20210923_CS_047

SHEET IDENTIFICATION
Penobscot River

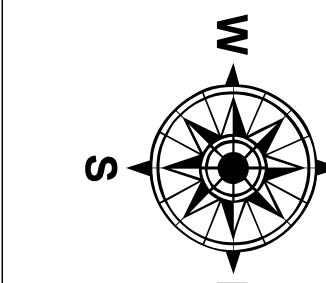
Sheet 5 of 20

Revised Number: 4.2-2020040



GRAPHIC SCALE

1" = 200' 0 200 400 Feet



Notes:
Horizontal Datum: Maine East, ME-1801 NAD 83
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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT	
SUBMITTED BY:	NCD
CHECKED BY:	ZSM
APPROVED BY:	NAE Survey
MAP DOCUMENT:	ME_26_PEN_20210923_CS_047
SIZE:	ANSI D
FILE NAME:	ME_26_PEN_20210923_CS_047
ISSUE DATE:	10/22/2021

PENOBSCOT RIVER CONDITION SURVEY	
BUCKSPORT TO BANGOR, MAINE	14 AND 22-FOOT CHANNELS 14-FOOT ANCHORAGES

SHEET IDENTIFICATION	
Penobscot River	
Sheet 6 of 20	