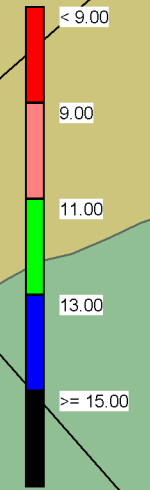
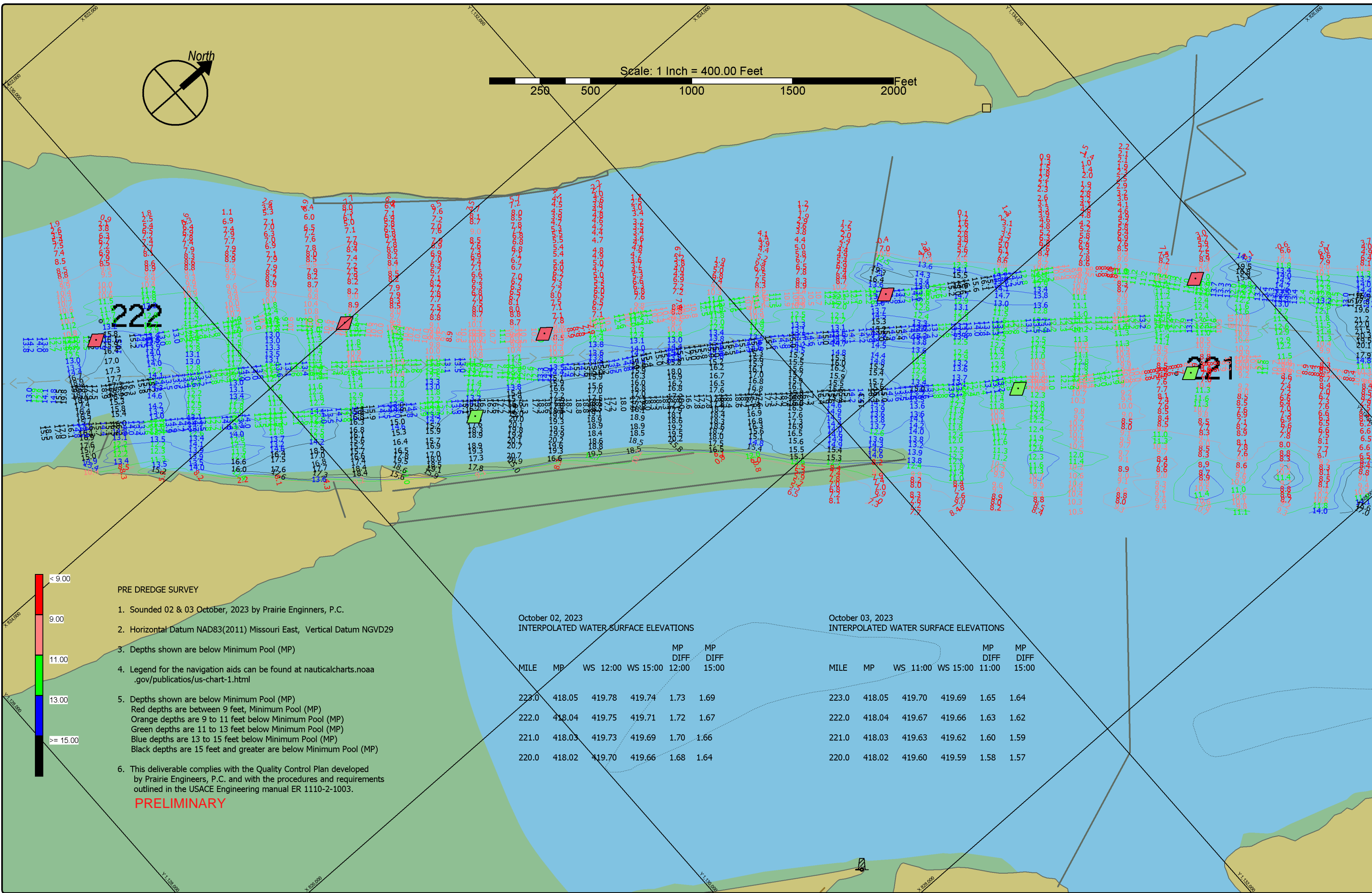
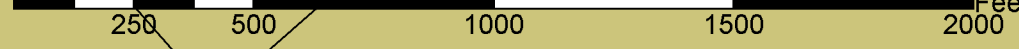


Scale: 1 Inch = 400.00 Feet



- PRE DREDGE SURVEY**
- Sounded 02 & 03 October, 2023 by Prairie Engineers, P.C.
 - Horizontal Datum NAD83(2011) Missouri East, Vertical Datum NGVD29
 - Depths shown are below Minimum Pool (MP)
 - Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
 - Depths shown are below Minimum Pool (MP)
 Red depths are between 9 feet, Minimum Pool (MP)
 Orange depths are 9 to 11 feet below Minimum Pool (MP)
 Green depths are 11 to 13 feet below Minimum Pool (MP)
 Blue depths are 13 to 15 feet below Minimum Pool (MP)
 Black depths are 15 feet and greater are below Minimum Pool (MP)
 - This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.
- PRELIMINARY**

October 02, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS		MP DIFF	
		12:00	15:00	12:00	15:00
223.0	418.05	419.78	419.74	1.73	1.69
222.0	418.04	419.75	419.71	1.72	1.67
221.0	418.03	419.73	419.69	1.70	1.66
220.0	418.02	419.70	419.66	1.68	1.64

October 03, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS		MP DIFF	
		11:00	15:00	11:00	15:00
223.0	418.05	419.70	419.69	1.65	1.64
222.0	418.04	419.67	419.66	1.63	1.62
221.0	418.03	419.63	419.62	1.60	1.59
220.0	418.02	419.60	419.59	1.58	1.57



Gage Records 02 & 03 October, 2023	
Grafton Gage	
10/2/23 12:00 = 15.86 17:00 = 15.81	
10/3/23 11:00 = 15.74 15:00 = 15.73	

DATES OF SURVEY:	02 & 03 October, 2023
SCALE:	ONE INCH = 400 FEET
FIELD BOOKS:	
FILE NO.:	
REQUEST NO.:	

Approved: Dennis Hill
 PRAIRIE ENGINEERS, P.C.
 CIVIL ENGINEERING TECHNICIAN

Approved: Kimble Slaton
 CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
 ASST. CHIEF OF SURVEY

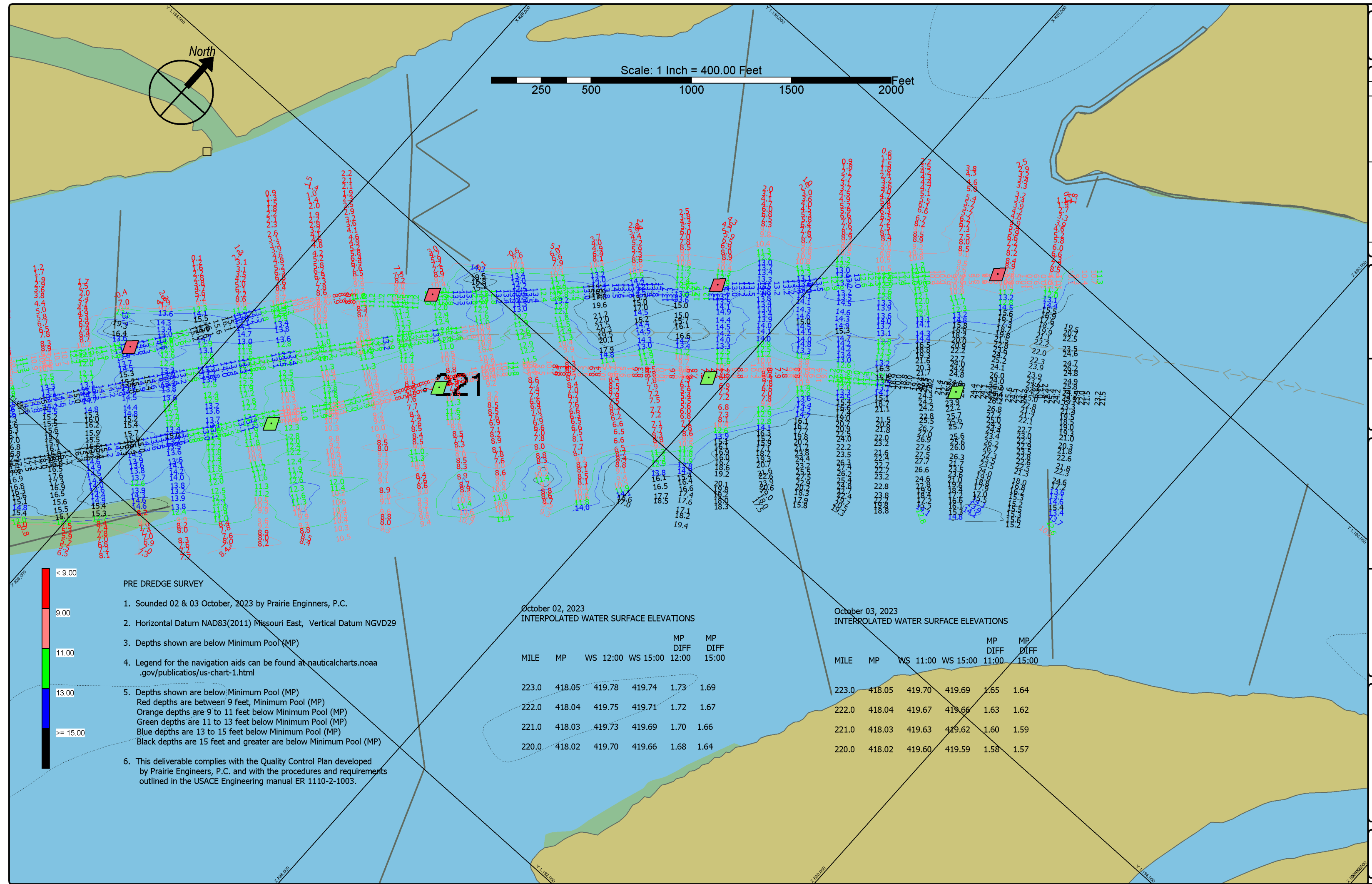
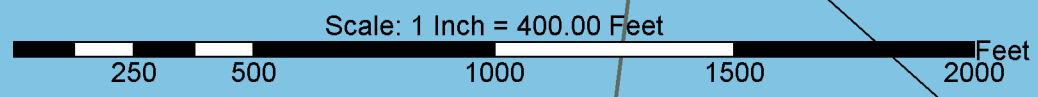
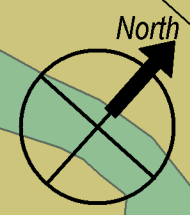
Approved: Darren Foray
 CHIEF OF SURVEY

Date: 13 October, 2023

U.S. ARMY CORPS OF ENGINEERS
 ST. LOUIS DISTRICT
 ST. LOUIS, MISSOURI

SURVEYED BY
 PRAIRIE ENGINEERS, P.C.
 404 N. MAIN STREET
 COLUMBIA, IL. 62236

MIDDLE MISSISSIPPI RIVER
 PRE DREDGE SURVEY
 RIVER MILES 222.1 - 220.4



- PRE DREDGE SURVEY**
- Sounded 02 & 03 October, 2023 by Prairie Engineers, P.C.
 - Horizontal Datum NAD83(2011) Missouri East, Vertical Datum NGVD29
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 - Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
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 - This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

October 02, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 15:00	MP DIFF 12:00	MP DIFF 15:00
223.0	418.05	419.78	419.74	1.73	1.69
222.0	418.04	419.75	419.71	1.72	1.67
221.0	418.03	419.73	419.69	1.70	1.66
220.0	418.02	419.70	419.66	1.68	1.64

October 03, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 11:00	WS 15:00	MP DIFF 11:00	MP DIFF 15:00
223.0	418.05	419.70	419.69	1.65	1.64
222.0	418.04	419.67	419.66	1.63	1.62
221.0	418.03	419.63	419.62	1.60	1.59
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Approved: Dennis Hill
 U.S. ARMY CORPS OF ENGINEERS
 ST. LOUIS DISTRICT
 ST. LOUIS, MISSOURI

Approved: Kimble Slaton
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Approved: Jarrett Langer
 ASST. CHIEF OF SURVEY

Approved: Darren Foray
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