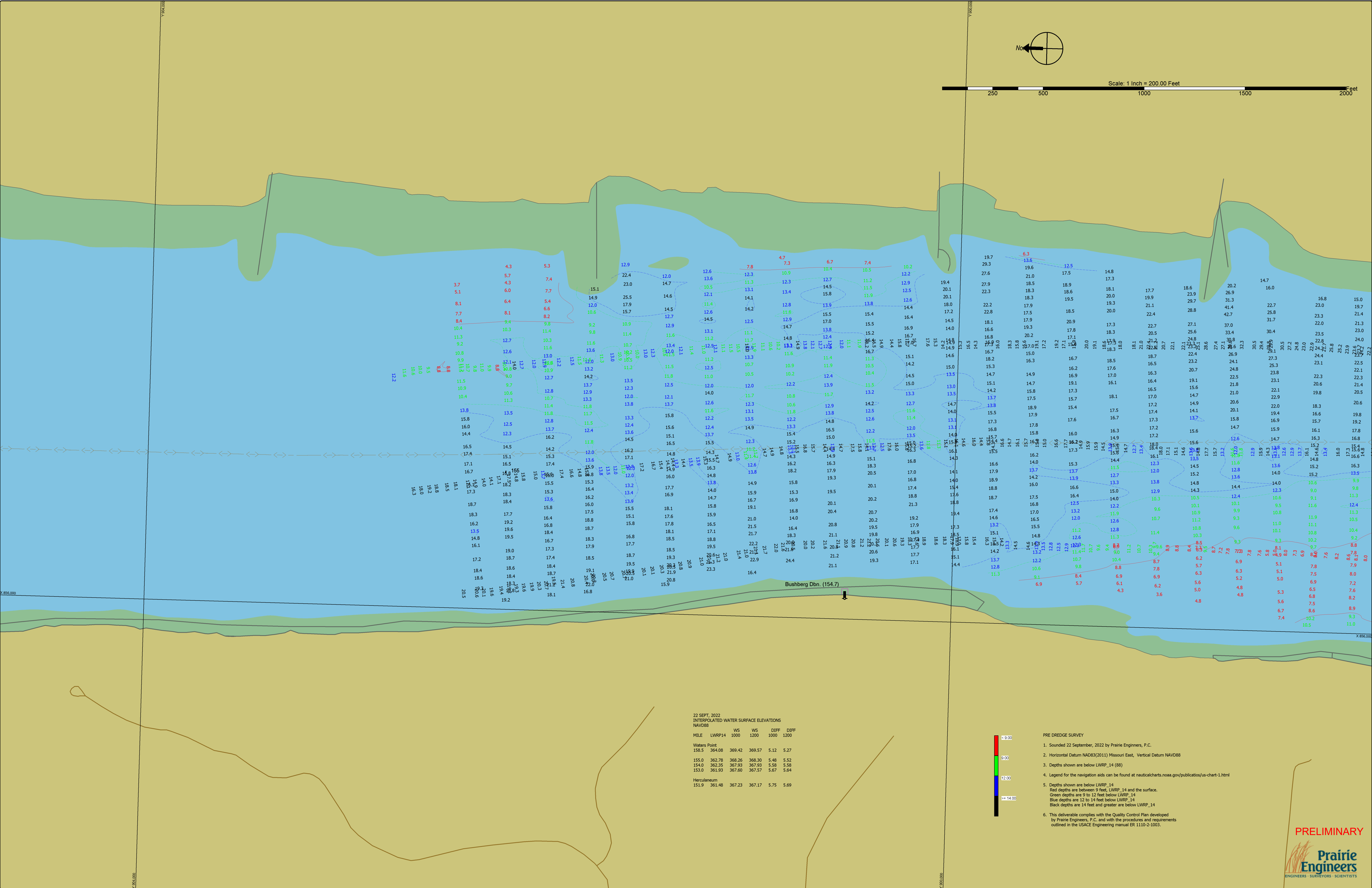






ST. LOUIS DIST

Gage Records 22 Sept, 2022

Waters Point	14.00 = -0.68	16.00 = -0.53
Herculeum	14.00 = -1.00	16.00 = -1.06

DATES OF SURVEY:

22 SEPTEMBER, 2022

SCALE:

ONE INCH = 200 FEET

FIELD BOOKS:

FILE NO.:

REQUEST NO.:

Approved: **Abednego Nkem**
FIELD CARTOGRAPHER

Approved: **Jarrett Langer**
CIVIL ENGINEERING TECHNICIAN

Approved: **Jarrett Langer**
ASSISTANT CHIEF OF SURVEY

Approved: **Darren Forgy**
CHIEF OF SURVEY

Date: **24 SEPTEMBER 2022**

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

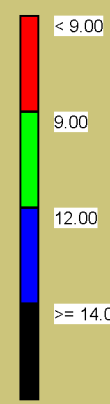
SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL. 62236

MIDDLE MISSISSIPPI RIVER
PRE DREDGE SURVEY
RIVER MILES 155.0 - 153.8

1 of 2

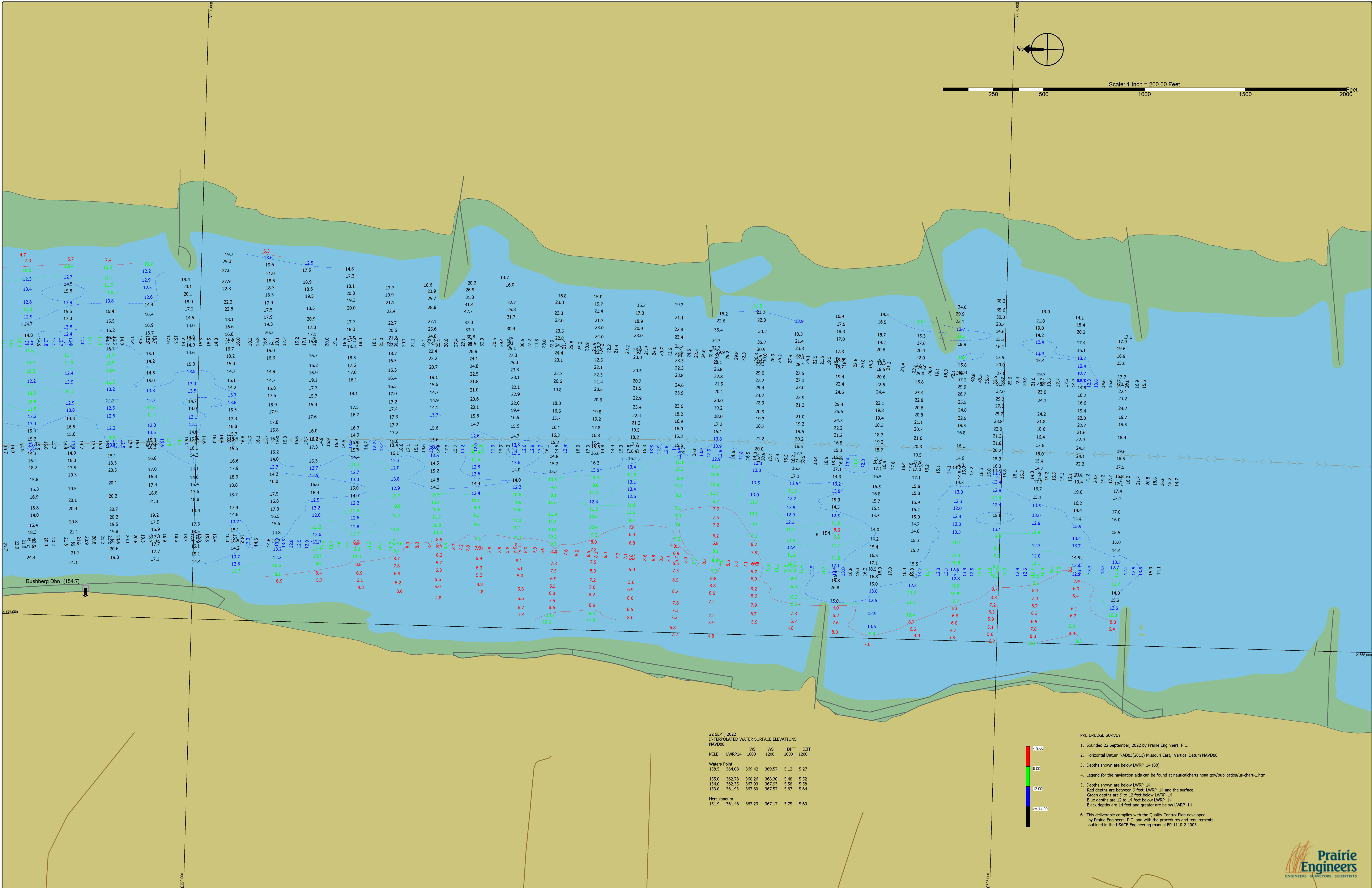
22 SEPT, 2022
INTERPOLATED WATER SURFACE ELEVATIONS
NAVD88

MILE	LWRP14	WS 1000	WS 1200	DIFF 1000	DIFF 1200
Waters Point					
155.5	364.08	369.42	369.57	5.12	5.27
155.0	362.78	368.26	368.30	5.48	5.52
154.0	362.35	367.83	367.93	5.58	5.58
153.0	361.93	367.60	367.57	5.67	5.64
Herculeum					
151.9	361.48	367.23	367.17	5.75	5.69



- PRE DREDGE SURVEY
- Sounded 22 September, 2022 by Prairie Engineers, P.C.
 - Horizontal Datum NAD83(2011) Missouri East, Vertical Datum NAVD88
 - Depths shown are below LWRP_14 (88)
 - Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
 - Depths shown are below LWRP_14
Red depths are between 9 feet, LWRP_14 and the surface.
Green depths are 9 to 12 feet below LWRP_14
Blue depths are 12 to 14 feet below LWRP_14
Black depths are 14 feet and greater below LWRP_14
 - 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.





22 SEPT, 2022

INTERPOLATED WATER SURFACE ELEVATIONS

NAVD88

MILE	LWRP14	WS 1000	WS 1200	DIFF 1000	DIFF 1200
Waters Point	158.5	364.08	369.42	369.57	5.12 5.27
155.0	362.78	368.26	368.30	5.48	5.52
154.0	362.35	367.93	367.93	5.58	5.58
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Herculeum	151.9	361.48	367.23	367.17	5.75 5.69

- PRE DREDGE SURVEY
1. Sounded 22 September, 2022 by Prairie Engineers, P.C.
 2. Horizontal Datum NAD83(2011) Missouri East, Vertical Datum NAVD88
 3. Depths shown are below LWRP_14 (88)
 4. Legend for the navigation aids can be found at [nauticalcharts.noaa.gov/publications/us-chart-1.html](https://www.nauticalcharts.noaa.gov/publications/us-chart-1.html)
 5. Depths shown are below LWRP_14
Red depths are between 9 feet LWRP_14 and the surface.
Green depths are 9 to 12 feet below LWRP_14
Blue depths are 12 to 14 feet below LWRP_14
Black depths are 14 feet and greater are below LWRP_14
 6. 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.



ST. LOUIS DIST

Gage Records 22 Sept, 2022

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Date: **24 SEPTEMBER 2022**

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

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MIDDLE MISSISSIPPI RIVER
PRE DREDGE SURVEY
RIVER MILES 155.0 - 153.8

2 of 2