SURVEY NOTES:

1) HORIZONTAL DATUM:
NAD83 MISSOURI EAST 2401, US SURVEY FOOT

2) VERTICAL DATUM:
NAVD88, FOOT

3) DEPTHS SHOWN ARE BELOW LWRP2014 SURFACE.

4) SURVEY INFORMATION:
SURVEY VESSEL: BOWEN1 (24' SCULLY'S WORK BOAT)
ECHO SOUNDER: ODOM ECHOTRAC CV100
TRANSDUCER: ODOM SMSW200-4 (4° BEAM, 200 kHz)
GNSS RECEIVER: MPS 865
GNSS SOURCE: TRIMBLE CENTERPOINT RTX
INS: SBG ELLIPSE2-E-G4A2-B1
SOUND VELOCITY SOURCE: ODOM DIGIBAR S VELOCIMETER
TIDE SOURCE: INTERPOLATED FROM RIVER GAGE READINGS

JUNE 24, 2021
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:30	WSE @ 12:30	LWRP 2014	LWRP DIF @ 10:30	LWRP DIF @ 12:30
101	348.08	348.07	335.47	12.61	12.60
102	348.64	348.63	336.01	12.63	12.62
103	349.20	349.19	336.59	12.61	12.60
104	349.77	349.76	337.21	12.56	12.55

GAGE RECORD

Rockwood Island

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
94.1	Red Rock Landing, MO	328.38	10:30	15.81	12:30	15.80
109.9	Chester, IL	340.73	10:30	12.36	12:30	12.35

ILLINOIS

MISSOURI

Waters Ldg

Anchor Ldg

N

Scale: 1 Inch = 800.00 Feet

500 1000 2000 3000 4000 Feet

St. Louis District

DATES OF SURVEY:
JUNE 24, 2021

FILE NO.: 102F2421
REQUEST NO.: W912P92-1F0114

SCALE:
1" = 800' (ANSI B)

FIELD BOOKS:

Approved: FIELD CARTOGRAPHER
Approved: CIVIL ENGINEERING TECHNICIAN
Approved: ASST. CHIEF OF SURVEY
Approved: CHIEF OF SURVEY
Date:

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

SURVEYED BY:
BOWEN ENGINEERING AND SURVEYING, P.C.
2121 MEGAN DRIVE
CAPE GIRARDEAU, MO 63701

UPPER MISSISSIPPI RIVER
BASIN
MISSISSIPPI RIVER

PRE DREDGE SURVEY
RIVER MILES 103.8 - 101.8

SHEET NO.

1 OF 1