SURVEY NOTES:

1) HORIZONTAL DATUM:
NAD83 (2011) MISSOURI EAST 2401, US SURVEY FOOT

2) VERTICAL DATUM:
NAVD88 (GEOID18), FOOT

3) DEPTHS SHOWN ARE BELOW LWRP2014 SURFACE.

4) SURVEY INFORMATION:
SURVEY VESSEL: BOWEN1 (24' SCULLY'S WORK BOAT)
ECHO SOUNDER: TELEDYNE ECHOTRAC E20
TRANSDUCER: ODOM SMSW200-4 (4° BEAM, 200 kHz)
SOUND VELOCITY SOURCE: ODOM DIGIBAR S VELOCIMETER
INS: SBG ELLIPSE2-E-G4A2-B1
GNSS RECEIVER: TRIMBLE MPS865 WITH DUAL ANTENNAS
GNSS SOURCE: TRIMBLE CENTERPOINT RTX
TIDE METHOD: REAL-TIME KINEMATIC
TIDE SOURCE: TRIMBLE CENTERPOINT RTX

5) THE SURVEY WAS COMPLETED IN ACCORDANCE WITH QUALITY CONTROL PLAN PROCEDURES.

ILLINOIS

ILLINOIS

Rockwood Island

MISSOURI

Waters Ldg

Anchor Ldg

FIG 4

102

103

N

Scale: 1 Inch = 800.00 Feet

500 1000 2000 3000 4000 Feet

AUGUST 30, 2022
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 12:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 12:00
102	340.85	340.88	336.01	4.84	4.87
103	341.44	341.47	336.59	4.85	4.88
104	342.03	342.07	337.21	4.82	4.86

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
94.1	Red Rock Landing, MO	328.38	10:00	7.82	12:00	7.81
109.9	Chester, IL	340.73	10:00	4.77	12:00	4.84

St. Louis District

DATES OF SURVEY:
AUGUST 30, 2022

FILE NO.: 103H3022
REQUEST NO.: W912P9-22F0051

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
POST DREDGE SURVEY
RIVER MILES 103.2 - 102.5

SHEET NO.
1 OF 1