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

Browns Bar

ILLINOIS

Dogtooth Bend

23

Browns Bar

ILLINOIS

Brooks Point

FIG 4s

0135 - 1033 sos

24

25

FIG 4s

MISSOURI

N

Scale: 1 Inch = 800.00 Feet

500 1000 2000 3000 4000 Feet

E 1,172,000 N 430,000 E 1,174,000 N 428,000 E 1,176,000 N 426,000 E 1,178,000 N 424,000 E 1,180,000

N 430,000 E 1,170,000 N 428,000 E 1,168,000 N 426,000 E 1,166,000 N 424,000 E 1,170,000 N 422,000 E 1,172,000 N 420,000 E 1,174,000 N 422,000 E 1,178,000 N 420,000 E 1,176,000

SEPTEMBER 2, 2022
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 9:00	WSE @ 15:00	LWRP 2014	LWRP DIF @ 9:00	LWRP DIF @ 15:00
23	295.93	295.89	291.36	4.57	4.53
24	296.67	296.64	292.06	4.61	4.58
25	297.41	297.38	292.61	4.80	4.77

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
20.2	Thompson Landing, MO	279.03	9:00	14.82	15:00	14.77
28.2	Price Landing, MO	298.95	9:00	0.84	15:00	0.82

St. Louis District

DATES OF SURVEY:
SEPTEMBER 2, 2022

FILE NO.: 02401222
REQUEST NO.: W912P9-22-F-0051

SCALE:
1" = 800' (ANSI B)

FIELD BOOKS:

Approved: _____ FIELD HYDROGRAPHER
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 24.7 - 23.2

SHEET NO.
1 OF 1