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

AUGUST 4, 2022
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 9:00	WSE @ 11:00	LWRP 2014	LWRP DIF @ 9:00	LWRP DIF @ 11:00
115	350.34	350.58	342.92	7.42	7.66
116	350.85	351.09	343.40	7.45	7.69

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
109.9	Chester, IL	340.73	9:00	6.99	11:00	7.24
151.9	Herculaneum, MO	368.23	9:00	1.07	11:00	1.23

Fl(2)R 5s

Mid America Transportation Co.

FIG 4s

Farmers Ldg

Kaskaskia Chute

MISSOURI

Beaver Island

Kaskaskia Island

116

115

N

Scale: 1 Inch = 800.00 Feet

500 1000 2000 3000 4000 Feet

E 992,000 E 994,000 E 996,000 E 998,000 E 990,000 E 986,000 E 988,000

N 778,000 N 776,000 N 774,000 N 772,000 N 770,000 N 768,000 N 766,000

St. Louis District

DATES OF SURVEY: AUGUST 4, 2022

FILE NO.: 115H0422
REQUEST NO.: W912P922F0051

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 115.7 - 115.0

SHEET NO.
1 OF 1