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

SEPTEMBER 21, 2021
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 12:00	WSE @ 14:00	LWRP 2014	LWRP DIF @ 12:00	LWRP DIF @ 14:00
185.3	398.38	398.38	395.64	2.74	2.74
194.4	398.38	398.38	395.81	2.57	2.57

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
185.3	Lock and Dam 27 Upper, IL	349.49	12:00	48.89	14:00	48.89
194.4	L&D27 Upper transferred to 194.4	349.49	12:00	48.89	14:00	48.89
200.5	Mel Price L&D Lower	395.04	12:00	3.87	14:00	4.17

ILLINOIS

Madison Ldg

Chouteau Island

Fl(2)R 5s

Fl(2)R

194

N

Scale: 1 Inch = 400.00 Feet

250 500 1000 1500 2000 Feet

N 1,078,000
E 930,000
N 1,076,000
N 1,074,000
E 928,000
N 1,080,000
E 926,000

St. Louis District

DATES OF SURVEY:
SEPTEMBER 21, 2021

FILE NO.: 19412121
REQUEST NO.: W912P92-FI0114

SCALE:
1" = 400' (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'S, P.C.
2121 MEGAN DRIVE
CAPE GIRARDEAU, MO 63701

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER
PRE DREDGE SURVEY
RIVER MILES 194.2 - 193.5

SHEET NO.
1 OF 1