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: PRAIRIE 20' BOAT
ECHO SOUNDER: TELEDYNE ECHOTRAC E20
TRANSDUCER FREQUENCY: 200 kHz
AVERAGE SOUND VELOCITY: 4850 FT/S
MRU: TELEDYNE DMS-05
GNSS RECEIVER: TRIMBLE SPS461
TIDE METHOD: MANUAL
TIDE SOURCE: GAGES

5) THE SURVEY WAS COMPLETED BY PRAIRIE ENGINEERS AND WAS PROCESSED BY BOWEN ENGINEERING AND SURVEYING.

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

OCTOBER 1, 2022
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 17:00	WSE @ 19:00	LWRP 2014	LWRP DIF @ 17:00	LWRP DIF @ 19:00
97	336.20	336.17	332.93	3.27	3.24
98	336.73	336.69	333.52	3.21	3.17
99	337.25	337.22	334.15	3.10	3.07

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
66.3	Moccasin Springs, MO	313.33	17:00	6.79	19:00	6.77
109.9	Chester, IL	340.73	17:00	2.23	19:00	2.19

ILLINOIS

MISSOURI

Kinder Morgan Coal Facility

Wagner Ldg

Liberty Bar

Jones Point

Jones Towhead

Fl(2)R 6s (priv)

(2)R 5s

N

Scale: 1 Inch = 800.00 Feet

500 1000 2000 3000 4000 Feet

St. Louis District

DATES OF SURVEY: OCTOBER 1, 2022

FILE NO: 099.0122
REQUEST NO.: W912P922F0051

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:
PRAIRIE ENGINEERS, P.C.

PROCESSED BY:
BOWEN ENGINEERING AND SURVEYING, P.C.

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER
PRE DREDGE SURVEY
RIVER MILES 99.0 - 97.3

SHEET NO.
1 OF 1