E 2,362,000

N 480,000

N 478,000

E 2,364,000

SURVEY NOTES:

1) HORIZONTAL DATUM:
NAD83 ILLINOIS WEST 1202, 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.

ILLINOIS

Jerry F. Costello Lock & Dam

FR

FR

FG

OCTOBER 1, 2022
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 12:00	WSE @ 14:00	LWRP 2014	LWRP DIF @ 12:00	LWRP DIF @ 14:00
KRM 0	346.76	346.79	344.07	2.69	2.72
KRM 0.8	346.93	347.47	344.70	2.23	2.77

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
0.8	(KASK) NAV TAILWATER	299.50	12:00	47.43	14:00	47.97
109.9	CHESTER, IL	340.73	12:00	2.15	14:00	2.19
151.9	HERCULANEUM, MO	368.23	12:00	-3.90	14:00	-3.92

N

Scale: 1 Inch = 400.00 Feet

250 500 1000 1500 2000 Feet

ILLINOIS

Bill Brown

N 478,000

E 2,360,000

N 476,000

St. Louis District

DATES OF SURVEY:
OCTOBER 1, 2022

FILE NO.: 000-0122
REQUEST NO.: W912P921F0138

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

UPPER MISSISSIPPI RIVER BASIN
KASKASKIA RIVER
POST DREDGE SURVEY
RIVER MILES 0.8 - 0.0

SHEET NO.
1 OF 1