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: BOWEN1 (24' SCULLY'S WORK BOAT)
ECHO SOUNDER: TELEDYNE ECHOTRAC E20
TRANSDUCER: ODOM SMSW200-4 (4° BEAM, 200 kHz)
SOUND VELOCITY SOURCE: VALEPORT SWIFT SVP
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.

N 480,000
E 2,364,000
N 478,000
N 476,000
E 2,362,000
E 2,360,000

Kaskaskia River Entrance Dbn. (117.3)

ILLINOIS

ILLINOIS

Bill Brown

N

Scale: 1 Inch = 400.00 Feet

250 500 1000 1500 2000 Feet

AUGUST 12, 2024
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 12:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 12:00
KRM 0	356.74	356.80	344.07	12.67	12.73
KRM 0.8	357.09	356.99	344.70	12.39	12.29

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
0.8	(KASK) NAV TAILWATER	299.50	10:00	57.59	12:00	57.49
109.9	CHESTER, IL	340.73	10:00	12.11	12:00	12.19
151.9	HERCULANEUM, MO	368.23	10:00	6.17	12:00	6.12

St. Louis District

DATES OF SURVEY: AUGUST 12, 2024

FILE NO.: 000H1224
REQUEST NO.: W912P924F0029

SCALE: 1" = 400' (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:
BOWEN ENGINEERING AND SURVEYING, P.C.
2121 MEGAN DRIVE
CAPE GIRARDEAU, MO 63701

UPPER MISSISSIPPI RIVER BASIN
KASKASKIA RIVER

PRE DREDGE SURVEY
RIVER MILES 0.8 - 0.0

SHEET NO.
1 OF 1