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: 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

ILLINOIS

Jerry F. Costello Lock & Dam

FR

FR

FG

TEST AREA FOR PROPOSED FLEETING AREA

1

Bill Brown

ILLINOIS

GAGE RECORD

N

Scale: 1 Inch = 400.00 Feet

250 500 1000 1500 2000 Feet

E 2,362,000

N 480,000

N 478,000

E 2,364,000

N 476,000

SEPTEMBER 1, 2021
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 11:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 11:00
KRM 0	352.25	352.31	344.07	8.18	8.24
KRM 0.8	352.55	352.33	344.70	7.85	7.63

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	53.05	11:00	52.83
109.9	CHESTER, IL	340.73	10:00	7.46	11:00	7.52
151.9	HERCULANEUM, MO	368.23	10:00	2.37	11:00	2.44

St. Louis District

DATES OF SURVEY:
SEPTEMBER 1, 2021

FILE NO.: 00001021
REQUEST NO.: W912P919F0273

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