SURVEY NOTES:

1) HORIZONTAL DATUM:
NAD83 ILLINOIS WEST 1202, US SURVEY FOOT

2) VERTICAL DATUM:
NAVD88, FOOT

3) DEPTHS SHOWN ARE BELOW MINIMUM POOL.

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.

DATE	GAGE	RIVER MILE	DMG	ZERO NAVD88	TIME	STAGE	NAVD88 WS ELEV	NAVD88 MIN. POOL	DIFFERENCE
20230621	VALLEY CITY	61.3	322565	417.58	08:00	2.44	420.02	418.48	1.54
20230621	VALLEY CITY	61.3	322565	417.58	16:00	2.45	420.03	418.48	1.55
20230621	MEREDOSIA	70.8	373097	417.71	08:00	2.81	420.52	418.71	1.81
20230621	MEREDOSIA	70.8	373097	417.71	16:00	2.82	420.53	418.71	1.82
20230621	LA GRANGE (TW)	80.2	422823	413.22	08:00	7.83	421.05	418.82	2.23
20230621	LA GRANGE (TW)	80.2	422823	413.22	16:00	7.83	421.05	418.82	2.23

ILLINOIS

Wilsons Island

74

73

"DAYMK DMGD" Wilson Island Dbn. (73.0)

ILLINOIS

N

Scale: 1 Inch = 400.00 Feet

250 500 1000 1500 2000 Feet

N 1,164,000
N 1,162,000
N 1,160,000
E 2,180,000
E 2,178,000
E 2,182,000
E 2,184,000

St. Louis District

DATES OF SURVEY:
JUNE 21, 2023

FILE NO.: 074F2123
REQUEST NO.: W912P923F0113

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
ILLINOIS RIVER

PRE DREDGE SURVEY
RIVER MILES 74.0 - 73.0

SHEET NO.
1 OF 1