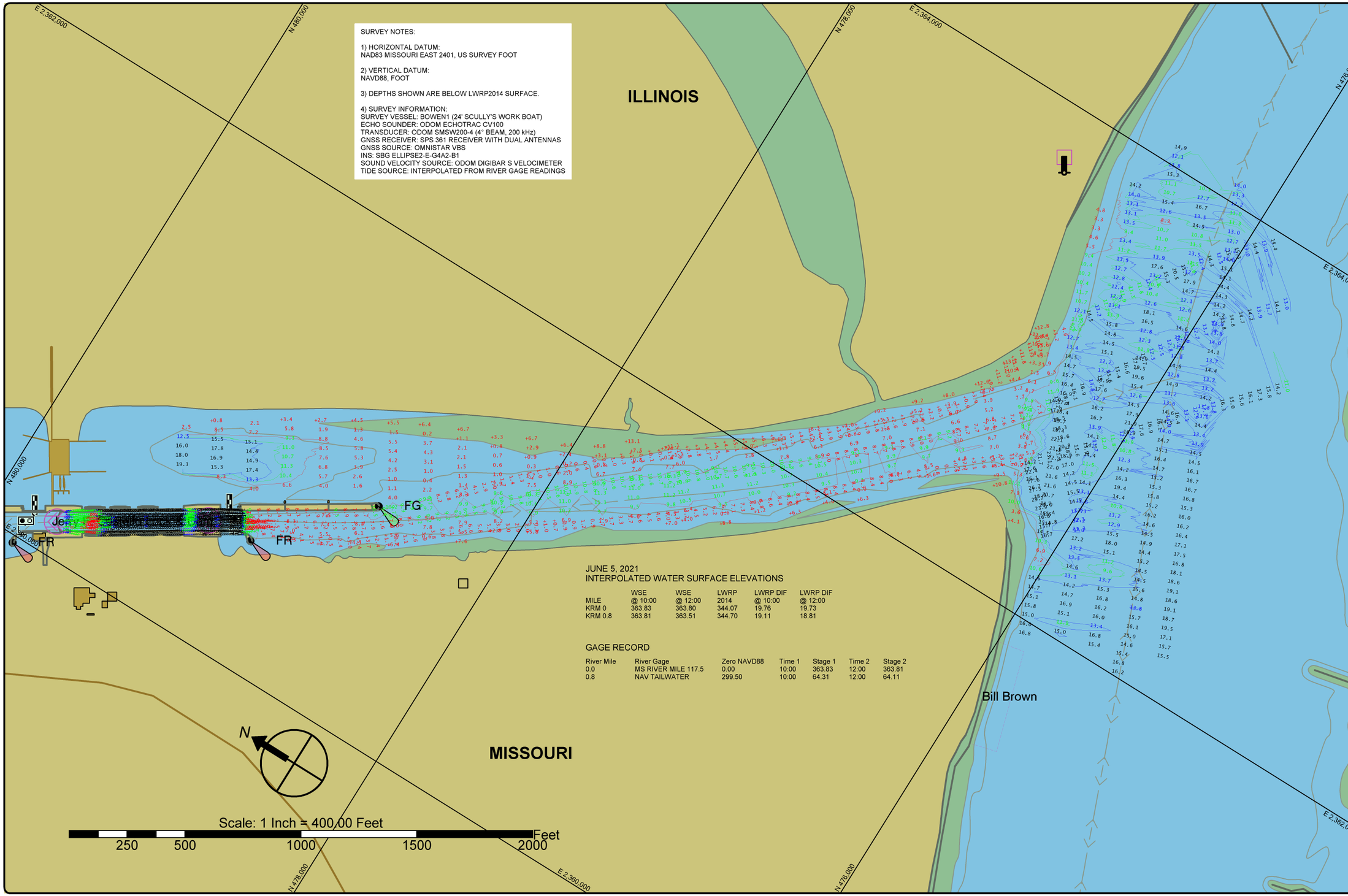
SURVEY NOTES:

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: BOWEN1 (24' SCULLY'S WORK BOAT)
ECHO SOUNDER: ODOM ECHOTRAC CV100
TRANSDUCER: ODOM SMSW200-4 (4° BEAM, 200 kHz)
GNSS RECEIVER: SPS 361 RECEIVER WITH DUAL ANTENNAS
GNSS SOURCE: OMNISTAR VBS
INS: SBG ELLIPSE2-E-G4A2-B1
SOUND VELOCITY SOURCE: ODOM DIGIBAR S VELOCIMETER
TIDE SOURCE: INTERPOLATED FROM RIVER GAGE READINGS



JUNE 5, 2021
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 12:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 12:00
KRM 0	363.83	363.80	344.07	19.76	19.73
KRM 0.8	363.81	363.51	344.70	19.11	18.81

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
0.0	MS RIVER MILE 117.5	0.00	10:00	363.83	12:00	363.81
0.8	NAV TAILWATER	299.50	10:00	64.31	12:00	64.11

St. Louis District

DATES OF SURVEY:
JUNE 5, 2021

FILE NO.: 000F0521
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