SURVEY NOTES:

1) HORIZONTAL DATUM:
NAD83 MISSOURI EAST 2401, US SURVEY FOOT

2) VERTICAL DATUM:
NAVD88, FOOT

3) DEPTHS SHOWN ARE BELOW LWRP2014 SURFACE.

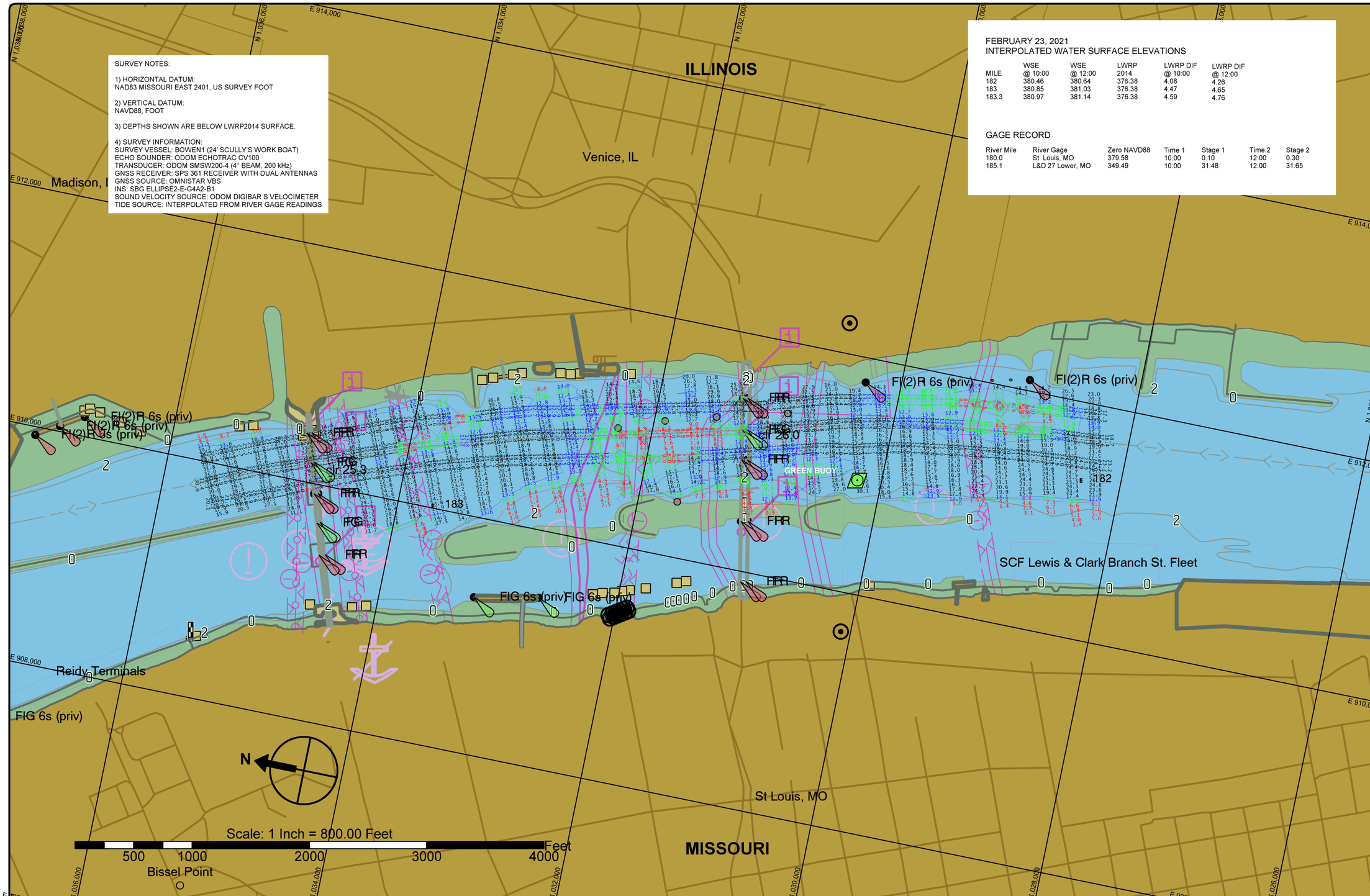
4) SURVEY INFORMATION:
SURVEY VESSEL: BOWEN1 (24' SCULLY'S WORK BOAT)
ECHO SOUNDER: ODOM ECHOTRAC CV100
TRANSDUCER: ODOM SMSW200-4 (4° BEAM, 200 kHz)
GNSS RECEIVER: SPS 361 RECEIVER WITH DUAL ANTENNAS
GNSS SOURCE: OMNISTAR VBS
INS: SBG ELLIPSE2-E-G4A2-B1
SOUND VELOCITY SOURCE: ODOM DIGIBAR S VELOCIMETER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

FEBRUARY 23, 2021
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 12:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 12:00
182	380.46	380.64	376.38	4.08	4.26
183	380.85	381.03	376.38	4.47	4.65
183.3	380.97	381.14	376.38	4.59	4.76

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
180.0	St. Louis, MO	379.58	10:00	0.10	12:00	0.30
185.1	L&D 27 Lower, MO	349.49	10:00	31.48	12:00	31.65



St. Louis District

DATES OF SURVEY:
FEBRUARY 23, 2021

FILE NO.: 183B2321
REQUEST NO.: W912P92-F0114

SCALE:
1" = 800' (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
MISSISSIPPI RIVER

PRE DREDGE SURVEY
RIVER MILES 183.2 - 182.0

SHEET NO.
1 OF 1