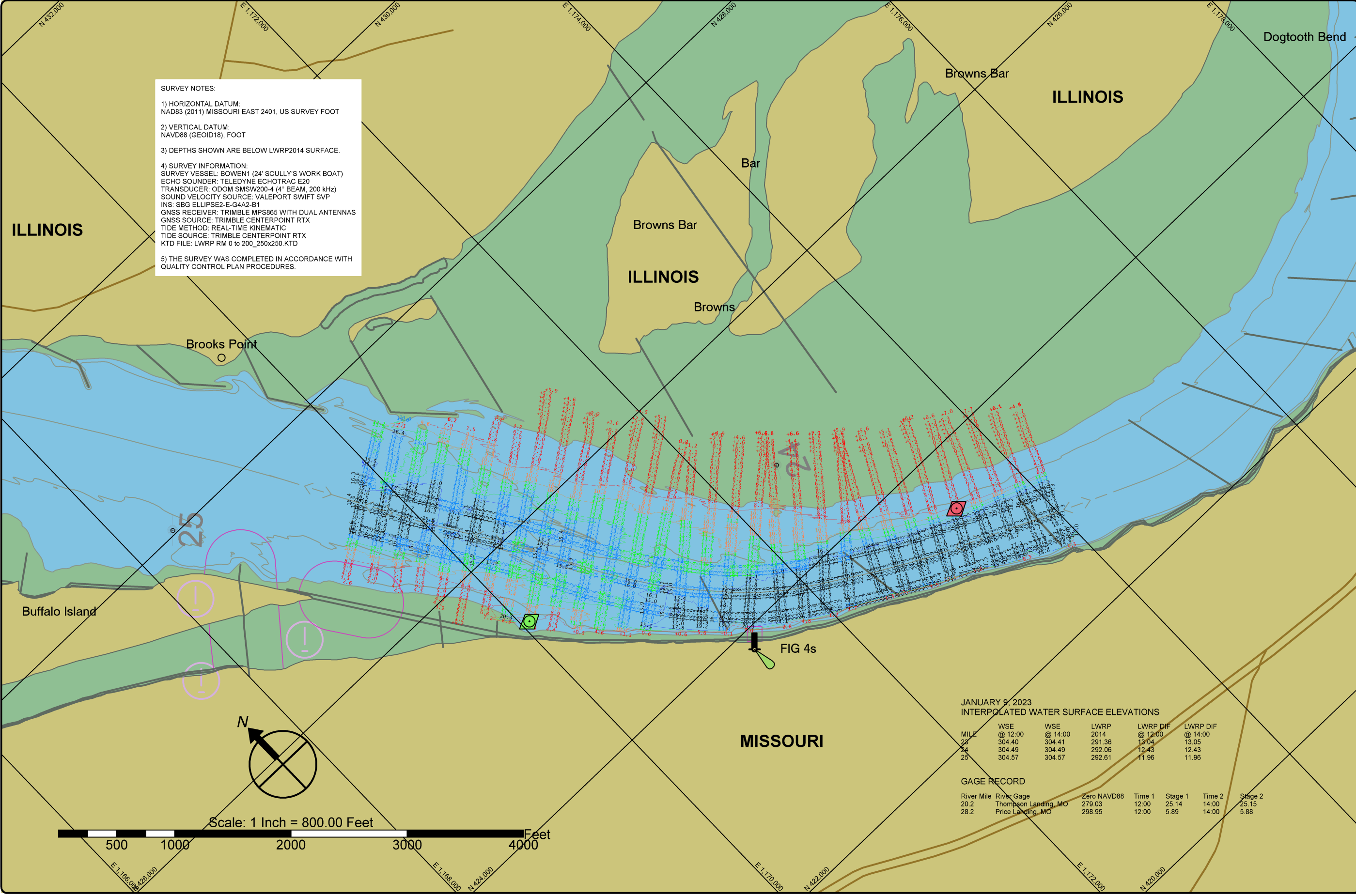


SURVEY NOTES:

- 1) HORIZONTAL DATUM:
NAD83 (2011) MISSOURI EAST 2401, US SURVEY FOOT
- 2) VERTICAL DATUM:
NAVD88 (GEOID18), 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 MP865 WITH DUAL ANTENNAS
GNSS SOURCE: TRIMBLE CENTERPOINT RTX
TIDE METHOD: REAL-TIME KINEMATIC
TIDE SOURCE: TRIMBLE CENTERPOINT RTX
KTD FILE: LWRP_RM_0 to 200_250x250.KTD
- 5) THE SURVEY WAS COMPLETED IN ACCORDANCE WITH QUALITY CONTROL PLAN PROCEDURES.



Scale: 1 Inch = 800.00 Feet


500 1000 2000 3000 4000 Feet

JANUARY 9, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE	WSE	LWRP	LWRP DIF	LWRP DIF
	@ 12:00	@ 14:00	2014	@ 12:00	@ 14:00
23	304.40	304.41	291.36	13.04	13.05
24	304.49	304.49	292.06	12.43	12.43
25	304.57	304.57	292.61	11.96	11.96

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
20.2	Thompson Landing, MO	279.03	12:00	25.14	14:00	25.15
28.2	Price Landing, MO	298.95	12:00	5.89	14:00	5.88



<p>DATES OF SURVEY: JANUARY 9, 2023</p>		<p>FILE NO: 024A923 REQUEST NO: W912P923F004</p>
<p>SCALE: 1" = 800' (ANSI B)</p>	<p>FIELD BOOKS: _____ _____</p>	
<p>Approved: _____ FIELD CARTOGRAPHER</p>	<p>Approved: _____ CONTROL ENGINEERING TECHNICIAN</p>	<p>Approved: _____ ASST. CHIEF OF SURVEY</p>
<p>Approved: _____ CHIEF OF SURVEY</p>	<p>Date: _____</p>	<p>Approved: _____ CHIEF OF SURVEY</p>
<p>U.S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT ST. LOUIS, MISSOURI</p>	<p>SURVEYED BY: BOWEN ENGINEERING AND SURVEYING, P.C. 2121 MEGAN DRIVE CAPE GIRARDEAU, MO 63701</p>	
<p>UPPER MISSISSIPPI RIVER BASIN MISSISSIPPI RIVER PRE DREDGE SURVEY RIVER MILES 24.7 - 23.7</p>		
<p>SHEET NO. _____</p>		

1 OF 1