SURVEY NOTES:

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

2) VERTICAL DATUM:
NAVD88, FOOT

3) DEPTHS SHOWN ARE BELOW LWRP2014 SURFACE.

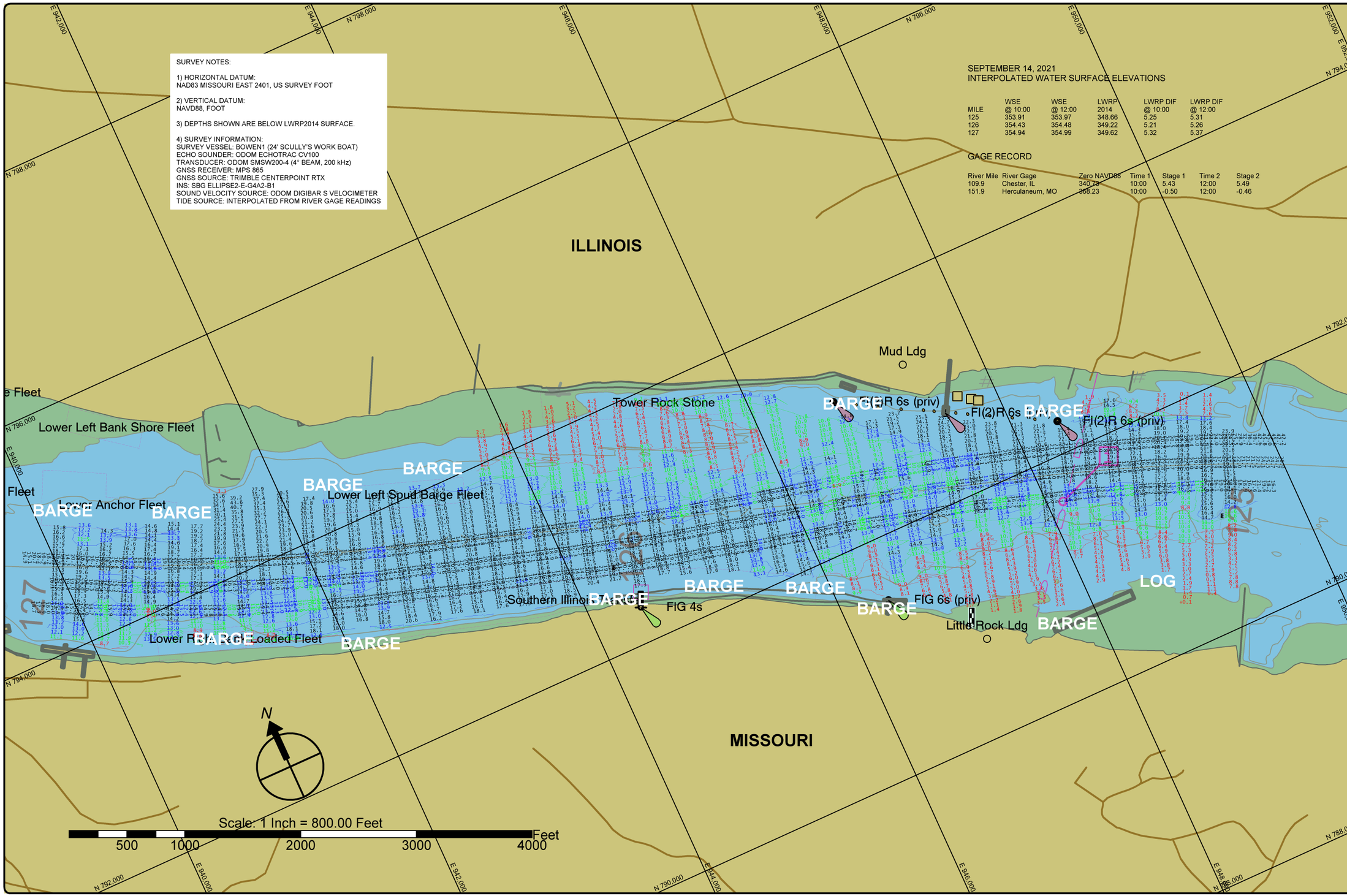
4) SURVEY INFORMATION:
SURVEY VESSEL: BOWEN1 (24' SCULLY'S WORK BOAT)
ECHO SOUNDER: ODOM ECHOTRAC CV100
TRANSDUCER: ODOM SMSW200-4 (4° BEAM, 200 kHz)
GNSS RECEIVER: MPS 865
GNSS SOURCE: TRIMBLE CENTERPOINT RTX
INS: SBG ELLIPSE2-E-G4A2-B1
SOUND VELOCITY SOURCE: ODOM DIGIBAR S VELOCIMETER
TIDE SOURCE: INTERPOLATED FROM RIVER GAGE READINGS

SEPTEMBER 14, 2021
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 12:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 12:00
125	353.91	353.97	348.66	5.25	5.31
126	354.43	354.48	349.22	5.21	5.26
127	354.94	354.99	349.62	5.32	5.37

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
109.9	Chester, IL	340.73	10:00	5.43	12:00	5.49
151.9	Herculaneum, MO	358.23	10:00	-0.50	12:00	-0.46



St. Louis District

DATES OF SURVEY:
SEPTEMBER 14, 2021

FILE NO.: 126I1421
REQUEST NO.: W912P921F0114

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 126.9 - 125.0

SHEET NO.
1 OF 1