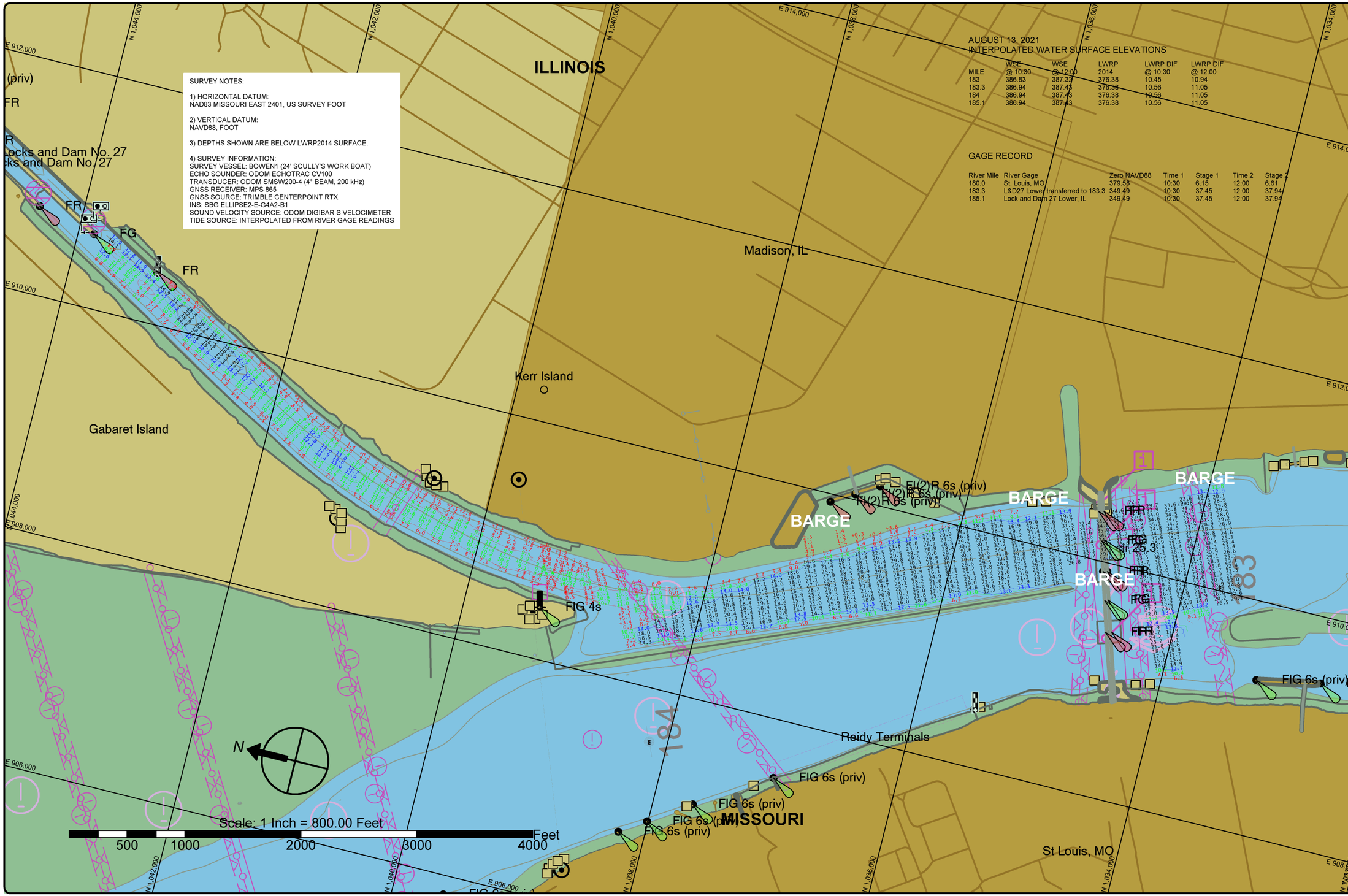

SURVEY NOTES:

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

AUGUST 13, 2021
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:30	WSE @ 12:00	LWRP 2014	LWRP DIF @ 10:30	LWRP DIF @ 12:00
183	386.83	387.32	376.38	10.45	10.94
183.3	386.94	387.43	376.38	10.56	11.05
184	386.94	387.43	376.38	10.56	11.05
185.1	386.94	387.43	376.38	10.56	11.05

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
180.0	St. Louis, MO	379.58	10:30	6.15	12:00	6.61
183.3	L&D27 Lower transferred to 183.3	349.49	10:30	37.45	12:00	37.94
185.1	Lock and Dam 27 Lower, IL	349.49	10:30	37.45	12:00	37.94

St. Louis District

DATES OF SURVEY:
AUGUST 13, 2021

FILE NO.: 184H1321
REQUEST NO.: W912P921P0114

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 185.5 - 183.0

SHEET NO.
1 OF 1