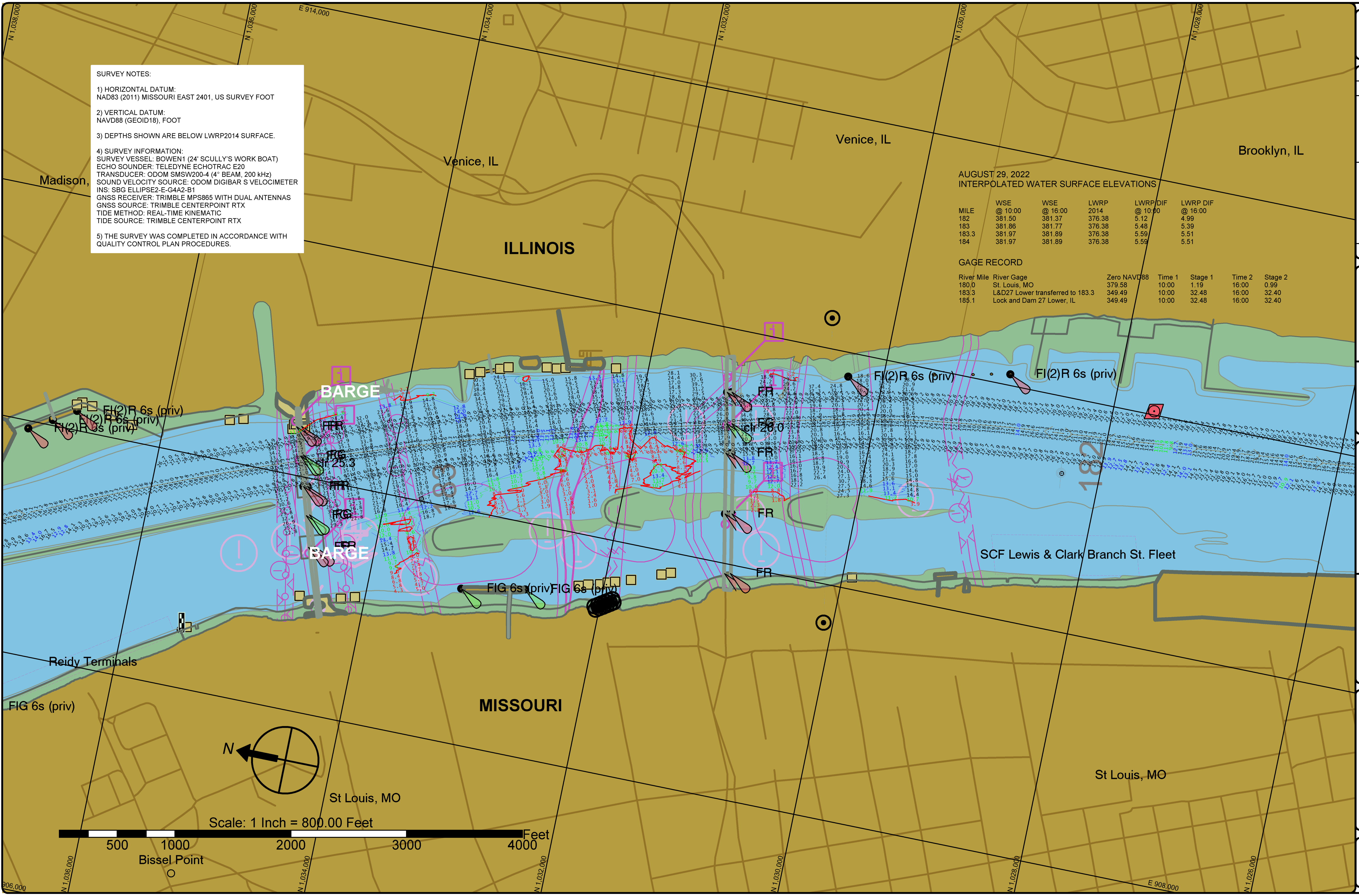
N 1,038,000
N 1,036,000
E 914,000
N 1,034,000
N 1,032,000
N 1,030,000
N 1,028,000
N 1,026,000
E 906,000
E 908,000
Madison,
Venice, IL
Venice, IL
Brooklyn, IL
ILLINOIS
MISSOURI
St Louis, MO
St Louis, MO
Reidy Terminals
Bissel Point
SCF Lewis & Clark Branch St. Fleet
BARGE
BARGE
Fl(2)R 6s (priv)
Fl(2)R 6s (priv)
Fl(2)R 6s (priv)
Fl(2)R 6s (priv)
Fl(2)R 6s (priv)
FlG 6s (priv)
FlG 6s (priv)
FlG 6s (priv)
FR
FR
FR
FR
FR
FG
FG
FG
Clr 25.3
Clr 26.0
183
182
N
Scale: 1 Inch = 800.00 Feet
500
1000
2000
3000
4000
Feet

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: ODOM DIGIBAR S VELOCIMETER
INS: SBG ELLIPSE2-E-G4A2-B1
GNSS RECEIVER: TRIMBLE MPS865 WITH DUAL ANTENNAS
GNSS SOURCE: TRIMBLE CENTERPOINT RTX
TIDE METHOD: REAL-TIME KINEMATIC
TIDE SOURCE: TRIMBLE CENTERPOINT RTX

5) THE SURVEY WAS COMPLETED IN ACCORDANCE WITH QUALITY CONTROL PLAN PROCEDURES.

AUGUST 29, 2022
INTERPOLATED WATER SURFACE ELEVATIONS

| MILE | WSE @ 10:00 | WSE @ 16:00 | LWRP 2014 | LWRP DIF @ 10:00 | LWRP DIF @ 16:00 |
|---|---|---|---|---|---|
| 182 | 381.50 | 381.37 | 376.38 | 5.12 | 4.99 |
| 183 | 381.86 | 381.77 | 376.38 | 5.48 | 5.39 |
| 183.3 | 381.97 | 381.89 | 376.38 | 5.59 | 5.51 |
| 184 | 381.97 | 381.89 | 376.38 | 5.59 | 5.51 |

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 | 1.19 | 16:00 | 0.99 |
| 183.3 | L&D27 Lower transferred to 183.3 | 349.49 | 10:00 | 32.48 | 16:00 | 32.40 |
| 185.1 | Lock and Dam 27 Lower, IL | 349.49 | 10:00 | 32.48 | 16:00 | 32.40 |

St. Louis District

DATES OF SURVEY:
AUGUST 29, 2022

FILE NO.: 183H2922
REQUEST NO.: W912P922F0051

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 - 182.3

SHEET NO.
1 OF 1