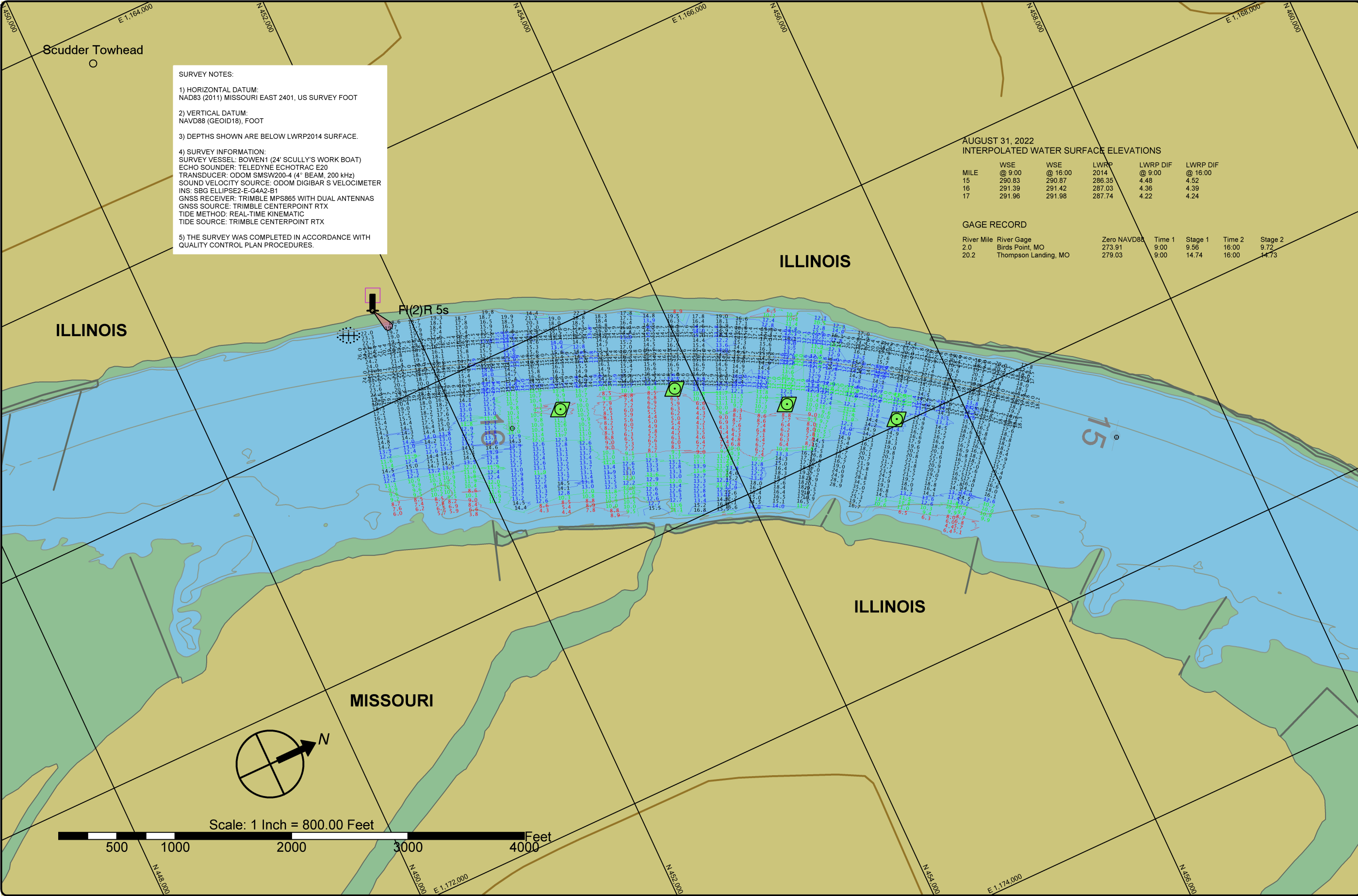




SURVEY NOTES:

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 31, 2022
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 9:00	WSE @ 16:00	LWRP 2014	LWRP DIF @ 9:00	LWRP DIF @ 16:00
15	290.83	290.87	286.35	4.48	4.52
16	291.39	291.42	287.03	4.36	4.39
17	291.96	291.98	287.74	4.22	4.24

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
2.0	Birds Point, MO	273.91	9:00	9.56	16:00	9.72
20.2	Thompson Landing, MO	279.03	9:00	14.74	16:00	14.73



St. Louis District

DATES OF SURVEY:

AUGUST 31, 2022

SCALE:

1" = 800' (ANSI B)

FIELD BOOKS:

Approved:

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Approved:

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

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ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Date:

UPPER MISSISSIPPI RIVER
BASIN

MISSISSIPPI RIVER

POST DREDGE SURVEY
RIVER MILES 16.2 - 15.2

SHEET NO.

1 OF 1