

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 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.

JULY 26, 2024
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 8:00	WSE @ 13:00	LWRP 2014	LWRP DIF @ 8:00	LWRP DIF @ 13:00
5	299.32	298.82	281.64	17.68	17.18
6	300.15	299.67	282.11	18.04	17.56
7	300.98	300.51	282.61	18.37	17.90
8	301.80	301.36	283.11	18.69	18.25
9	302.63	302.21	283.67	18.96	18.54
10	303.46	303.06	284.21	19.25	18.85
11	304.29	303.91	284.58	19.71	19.33
12	305.12	304.76	284.86	20.26	19.90
13	305.95	305.61	285.10	20.85	20.51
14	306.78	306.46	285.78	21.00	20.68
15	307.61	307.31	286.35	21.26	20.96
16	308.44	308.15	287.03	21.41	21.12
17	309.27	309.00	287.74	21.53	21.26
18	310.10	309.85	288.32	21.78	21.53
19	310.93	310.70	288.94	21.99	21.76
20	311.75	311.55	289.47	22.28	22.08

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
0.0	Ohio River (Est)	0.00	8:00	295.17	13:00	294.61
2.0	Birds Point, MO	273.91	8:00	22.92	13:00	22.36
20.2	Thompson Landing, MO	279.03	8:00	32.89	13:00	32.69

ILLINOIS

MISSOURI

Thompson Lt. (19.8)

19

20

Scale: 1 Inch = 800.00 Feet

500 1000 2000 3000 4000 Feet



St. Louis District

DATES OF SURVEY:
JULY 26, 2024

SCALE:
1" = 800' (ANSI B)

FIELD BOOKS:

FILE NO.: 020_000G2624

REQUEST NO.: W912P924F0029

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
CHANNEL PATROL
RIVER MILES 18.7 - 20.5

SHEET NO.

1 OF 1











