

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.

DECEMBER 16, 2022 INTERPOLATED WATER SURFACE ELEVATIONS							
MILE	WSE @ 10:00	WSE @ 12:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 12:00		
152	365.97	365.82	361.50	4.47	4.32		
153	366.44	366.29	361.93	4.51	4.36		

GAGE RECORD							
River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2	
151.9	Herculaneum, MO	368.23	10:00	-2.31	12:00	-2.46	
168.7	Jefferson Barracks, MO	377.34	10:00	-3.52	12:00	-3.60	

ILLINOIS

Harrisonville Ldg

MISSOURI

Herculaneum, MO

Herculaneum, MO

Pevely, MO



Scale: 1 Inch = 800.00 Feet

500 1000 2000 3000 4000 Feet



St. Louis District

DATES OF SURVEY:

DECEMBER 16, 2022

SCALE:

1" = 800' (ANSI B)

FIELD BOOKS:

FILE NO. 153L1622

REQUEST NO. W912P923F0004

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

POST DREDGE SURVEY

RIVER MILES 153.0 - 152.0

SHEET NO.

1 OF 1