

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.

SEPTEMBER 7, 2022
 INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 12:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 12:00
74	327.98	327.96	321.79	6.19	6.17
75	328.47	328.45	322.04	6.43	6.41
76	328.95	328.95	322.50	6.45	6.45

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
66.3	Moccasin Springs, MO	313.33	10:00	10.89	12:00	10.85
94.1	Red Rock Landing, MO	328.38	10:00	9.41	12:00	9.46



DATES OF SURVEY:
 SEPTEMBER 7, 2022
 FILE NO. 0790722
 REQUEST NO. W912P922F0051

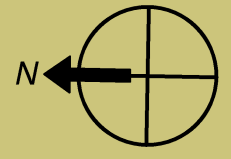
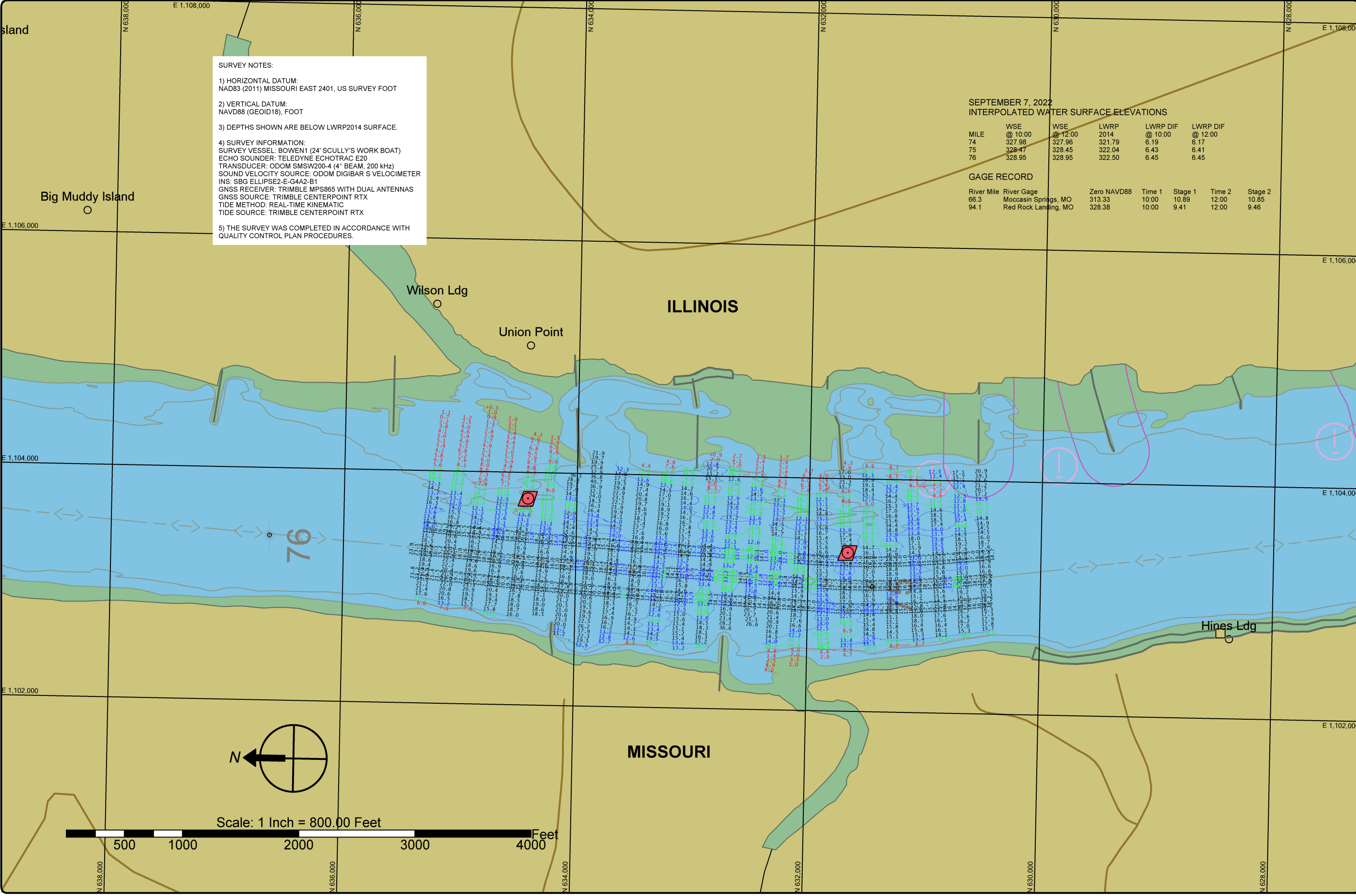
SCALE:
 1" = 800' (ANSI B)
 FIELD BOOKS:

Approved: _____
 FIELD CARTOGRAPHER
 Approved: _____
 CONTROLLING 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 75.7 - 74.9

SHEET NO.
 1 OF 1



Scale: 1 Inch = 800.00 Feet

