



St. Louis District

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.

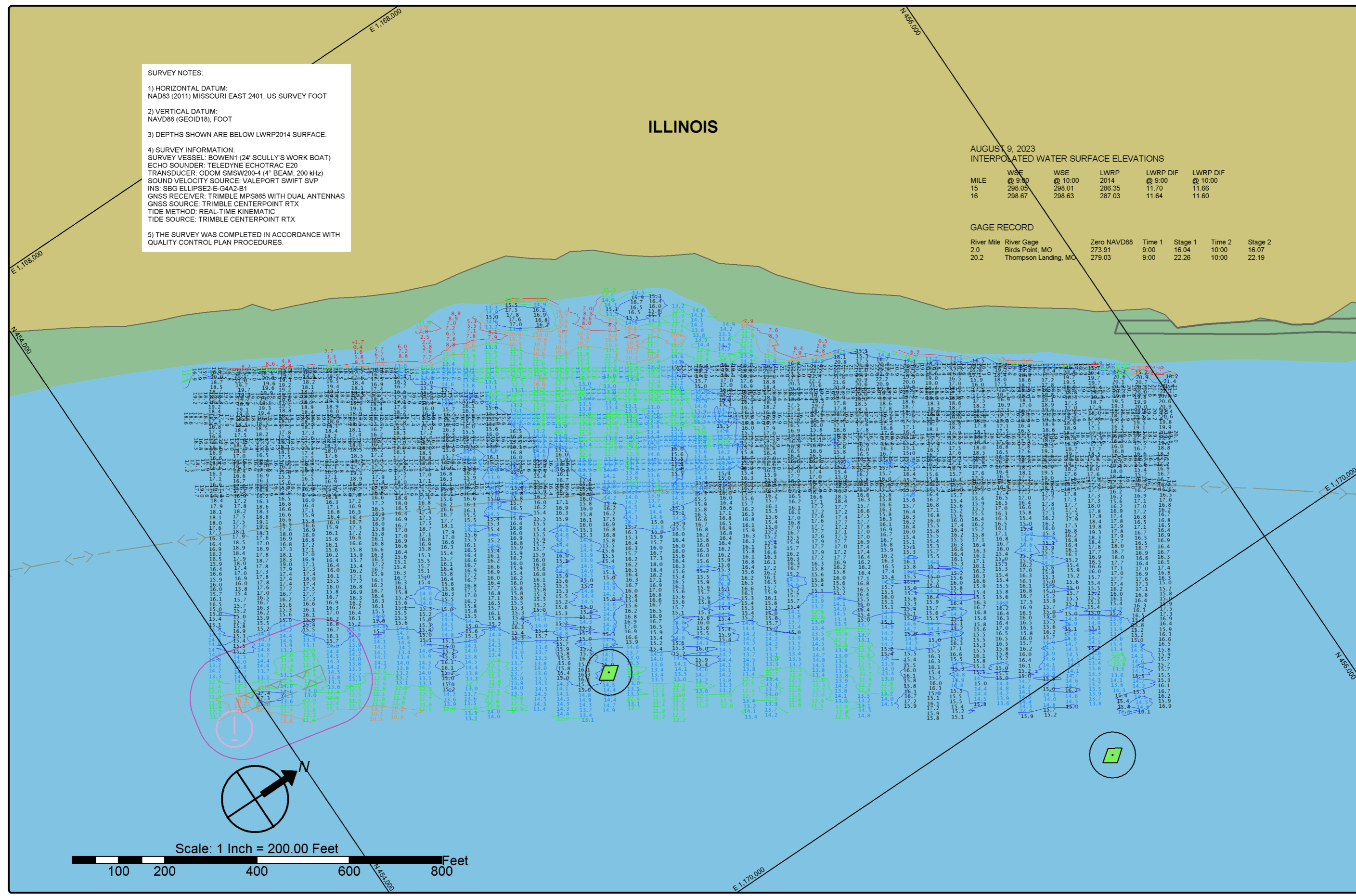
ILLINOIS

AUGUST 9, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 9:00	WSE @ 10:00	LWRP 2014	LWRP DIF @ 9:00	LWRP DIF @ 10:00
15	298.05	298.01	286.35	11.70	11.66
16	298.67	298.63	287.03	11.64	11.60

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	16.04	10:00	16.07
20.2	Thompson Landing, MO	279.03	9:00	22.26	10:00	22.19



DATES OF SURVEY:	AUGUST 8, 2023
SCALE:	1" = 200' (ANSI B)
FIELD BOOKS:	

APPROVED:	FIELD CHARTERMASTER
APPROVED:	CIVIL ENGINEERING TECHNICIAN
APPROVED:	ASST. CHIEF OF SURVEY
APPROVED:	CHIEF OF SURVEY
DATE:	

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

SURVEYED BY:
BOWEN ENGINEERING AND SURVEYING, P.C.
2131 MEGAN DRIVE
CAPE GIRARDEAU, MO 63701

UPPER MISSISSIPPI RIVER
BASIN
MISSISSIPPI RIVER
POST DREDGE SURVEY
RIVER MILES 15.7 - 15.3

SHEET NO.