



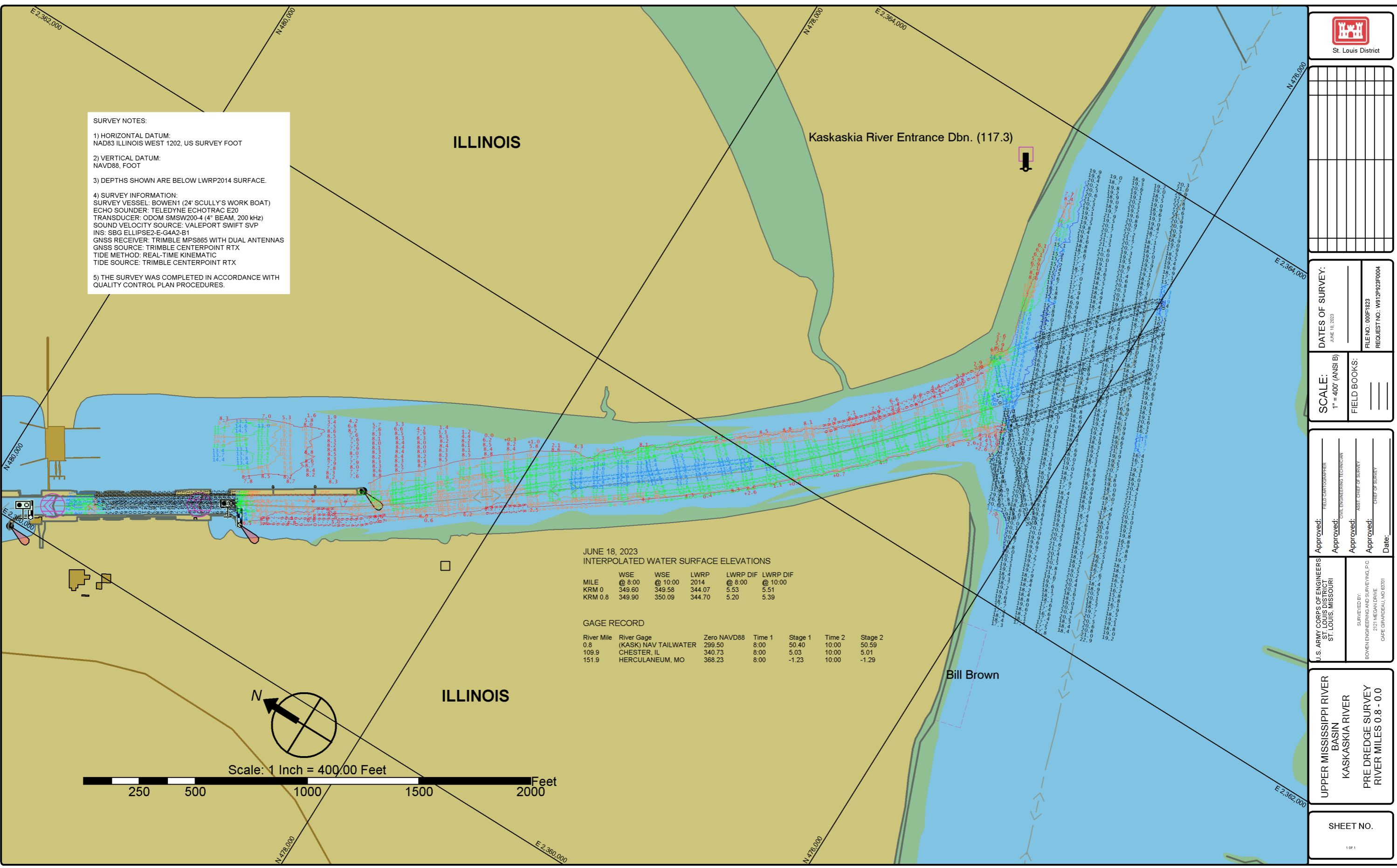
St. Louis District

SURVEY NOTES:

- 1) HORIZONTAL DATUM:
NAD83 ILLINOIS WEST 1202, US SURVEY FOOT
- 2) VERTICAL DATUM:
NAVD88, 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

Kaskaskia River Entrance Dbn. (117.3)

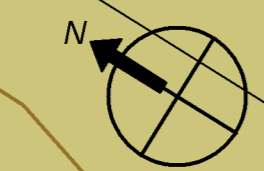


**JUNE 18, 2023
INTERPOLATED WATER SURFACE ELEVATIONS**

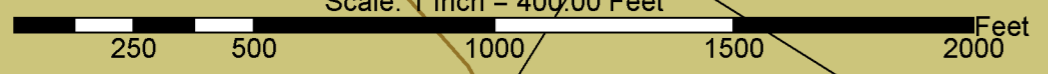
MILE	WSE @ 8:00	WSE @ 10:00	LWRP 2014	LWRP DIF @ 8:00	LWRP DIF @ 10:00
KRM 0	349.60	349.58	344.07	5.53	5.51
KRM 0.8	349.90	350.09	344.70	5.20	5.39

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
0.8	(KASK) NAV TAILWATER	299.50	8:00	50.40	10:00	50.59
109.9	CHESTER, IL	340.73	8:00	5.03	10:00	5.01
151.9	HERCULANEUM, MO	368.23	8:00	-1.23	10:00	-1.29



Scale: 1 Inch = 400.00 Feet



DATES OF SURVEY:
JUNE 18, 2023

FILE NO.: 000P1823
REQUEST NO.: W1P230004

SCALE:
1" = 400' (ANSI B)

FIELD BOOKS:

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 63071

**UPPER MISSISSIPPI RIVER
BASIN
KASKASKIA RIVER
PRE DREDGE SURVEY
RIVER MILES 0.8 - 0.0**

SHEET NO.
1 OF 1